

Mr. WEI Wenbin

Tianhe District, Guangzhou, China

Mobile: 852-62046559 (86-159 7558 9569)

Email: WEI.Wenbin@link.cuhk.edu.hk (weiwenbin2021@163.com)



ACADEMIC QUALIFICATIONS

- 08/2022-Now **The Hong Kong University of Science and Technology** PhD in ECE
- 2022 **The Chinese University of HongKong** Master in ISEIS Monitor
- 2013 **Guangzhou University** Bachelor of Engineering Software Engineering

WORKING EXPERIENCES

Robotics Institute | Four Experiments and Three Thesis drafts

- 2022-2024 **Prepare for publication:** Diagnosis and Analysis of Intestinal Diseases based on Artificial Intelligence Algorithm
Belief Rule Base reasoning

Thesis drafts

- Trajectory Tracking and Distributed Formation Control of Underactuated Autonomous Underwater Vehicles.
- Intelligent detection of obstacles in front of vehicles based on the Multi-modal combination of Millimeter wave radar and Computer vision.

2018-now **General Manager and Corporate Representative | Haibao Technology Co., Ltd**

- It is a professional company providing one-stop Internet solution service with major business covering website construction, SEO optimization, Internet promotion, Wechat account and mini program development, and software development
- Clients: Guangdong Polytechnic Normal University, BYD Auto, Jinjiang Inn, etc.

2017-now **General Manager | Midai Technology Co., Ltd**

- It is a professional company providing services such as software testing, research and development of Internet of Things technologies, information technology consulting and multi-media design

2014-now **General Manager and Corporate Representative | Guangzhou Youyi (Optimal A) Information Technology Co., Ltd**

- It is a professional company focusing on App development, Wechat third-party platform development, smart automation and overall network marketing with U1Soft APP Engine and U1 Soft Terminal Platform
- Clients: TCL, China Unicom, China Merchants Bank, China Southern Power Grid, Samsung, Southern Airlines, Excellent in Education, New Oriental, etc.

02/2013-02/2014 **Business Manager | Qihoo 360 Technology Co. Ltd.**

- Developed business channels and conducted business negotiations.
- Made a contribution to Qihoo's market share's rapid rise to 25% which ranked second in China

06/2012-09/2012 **Intern | Accenture**

- Assisted in basic work such as information collection, data analysis and market analysis

PROJECTS

07/2019-11/2019 **Bank of Agriculture and Commerce**

- Established an Omni-channel cashier transaction system called Zhujiang Cashier with functions of trading management, code trading, online bank card transaction, merchant management including official Wechat public account, Merchant App and intelligent POS
- Achieved a breakthrough of integrating and docking third-party aggregate payment

02/2017-03/2020 **Corporate Financial Training**

- Led a team of 50 people and created sales of 2000 thousand RMB in a month
- Helped medium and small enterprise solve constructional problems at different stages, connect resources and match equity financing

05/2016-09/2016 **Southern Airlines**

- Led the product team and technique experts to develop the online training systems, learning systems and internal examination system including PC terminal, APP and backstage management system
- Conducted overall analysis and management on aspects of product planning, design, development, testing and landing
- Greatly improved employees' training efficiency and changed the study mode

04/2015-10/2016 **Excellence in Education**

- Established an education application for high school students to prepare for National College Entrance Examination with 4000 thousand users, and helped Excellence in Education open the closed online and offline loops
- Major functions included knowledge point recording, course recording, daily sharing of teaching methods and composition materials

03/2014-06/2014 **BYD**

- Led the team to take business trips for deep communication and analysis, and successfully established an instant messaging public account management platform which can publish news, messages and activities to instant messaging client sides, and store statistical data on its' own server, which will be conducive to the client classification

CAMPUS ACTIVITIES

2010 **Volunteer and Team Leader | The 16th Asian Games & Asian Para Games**

- Served as a volunteer of equestrian sports competitions after passing competitive tests and interviews
- Obtained awards of Excellent Volunteer, Outstanding Student Leader and Star of Smile
- Dedicated 83 hours' volunteer work

2012 **Participant and Team Leader | China Students Service Outsourcing Innovation and Entrepreneurship Competition**

- Established a 3-people team to conduct a project about health food service platform
- Obtained the third prize among participants from mainland China, Hong Kong, Macau and Taiwan

2009-2013 **Travel around China and Hiking to Tibet**

- Travelled to more than 20 provinces of China such as Hainan, Shanghai, Beijing, Hunan and Heilongjiang
- Spent 36 days walking to Tibet, crossing mountains and rivers, overcoming difficulties and experiencing various fabulous scenes

ADDITIONAL SKILLS AND QUALIFICATIONS

Professional Titles

- 2012 Certified Professional in Enterprise Java, Data Base Programming & Stored Procedures, Software Engineering, Unit Testing, SSH, Design Pattern
- 2005 Microsoft Certified Technology Specialist: SQL Server
- MCP Certificate, IBM DB2 Certificate

Scholarships & Academic Certificates

- **2013 National Scholarship, Star of Innovation**
- 2013 First-class Scholarship
- 2012 Third-class Scholarship, Nomination for University Scholarship
- 2011 Second-class Scholarship
- **2013 First Prize | Business Mode Design Competition**
- **2013 Third Prize | Excellent Graduation Dissertation**
- 2012 Second Prize | The 3rd Lanqiao Cup National Software Talent Design and Entrepreneurship Competition
- **2012 Third Prize | China Students Service Outsourcing Innovation and Entrepreneurship Competition**
- 2012 Second Prize | Winning in Guangzhou-College Students Entrepreneurship Competition
- 2012 Excellent Award | Resume Making Competition
- **2011 Silver Prize | The 8th Challenge Cup Chinese College Students Entrepreneurship Competition**
- 2011 Completion Certificate | Career Planning Tutor Training Programme
- 2011-2012 Student Tutor | Department of Software Engineering
- 2010 Second Prize | Times · Youth · Mission Speech Contest
- 2009-2010 Member of Academic Department | Student Union

Volunteer Certificates & Extracurricular Activities

- 2015 Volunteer | Guangdong Lions Tsurumai Service Team
- 2011 Third Prize | Soccer Competition
- **2010 Excellent Volunteer, Student Leader & Star of Smile | The 16th Asian Games and Asian Para Games**
- 2010 Excellent Volunteer | Guangzhou Nursing House
- 2009 Fifth Place in Track Events | Sports Meeting
- **Invention and creation patents and multiple software copyright intellectual properties**



个人信息

姓名: 魏文彬
民族: 汉
电话: 852-62046559 (86-159 7558 9569)
邮箱: WEI.Wenbin@link.cuhk.edu.hk (weiwenbin2021@163.com)
出生年月: 1990.05
籍贯: 广东.广州
现定居: 香港



教育背景

2022.08-至今 香港科技大学 电子计算机 博士 机器人研究所
2022 香港中文大学 太空与地球信息科学 硕士 班长
2013 广州大学 软件工程 (软件开发) 本科 班长\团委学生会

主修课程: 高等数学、C++、Java、WEB编程、软件工程概论、IBM IPD职业技能、计算机网络、数据库系统、数据结构算法设计、XML企业应用开发、操作系统、面向对象分析与设计、企业管理学、市场营销学、消费者行为学、广告与品牌管理、顾客心理学、跨文化人力资源管理

技能兴趣

资格证: 微软SQL技术专家认证、计算机4级、IBM DB2 认证、MCP 认证;
计算机技能: 熟练应用网络、Windows操作系统、Office办公软件、Photoshop等软件;
语言技能: 精通普通话、客家话、粤语、熟练掌握英语;
兴趣才艺: 足球、田径、游泳、骑行等。

自我评价

创业 8 年老兵, 曾带领管理公司 100 人团队 (市场、行政、人事、产品、设计、技术开发和 60 人销售)。乐观开朗, 爱旅游, 爱健身。责任心、集体观念强, 具有良好的团队管理经验和沟通协调能力。熟悉 IT 互联网行业, 具有敏锐的互联网思维, 了解医疗、教育、支付、旅游、电商、OA 办公、社交等相关项目。擅长狼性团队激励和培训管理。

工作经历

2014 年 5 月 - 至今 优一科技\米袋软件\海豹科技 总经理 (CEO)
合作服务伙伴: 南方航空、去哪儿、招商银行、卓越教育、南方电网、农商银行、珍爱网、雷士照明、中国零食网、广东技术师范大学、南方医院、中国联通、TCL、比亚迪、锦江之星和广东狮子会……
2013 年 2 月 - 2014 年 2 月 奇虎 360 商务经理
2012 年 6 月 - 2012 年 9 月 埃森哲 (Accenture) 中国有限公司 实习

项目经验

项目一: 南方航空

工作描述: 在线考试培训系统, 空姐空少在线学习培训、考试的内部系统 (包含 PC 端、APP 和后台管理系统)。亲自带队产品项目和技术人员到南航公司驻场完成项目。就产品规划、立项、设计、研发、测试、投入使用等相关开展详细的沟通和分析, 优化改善了南航内部员工学习培训模式和效率。

项目二：比亚迪

工作描述：比亚迪在迪粉汇、微信等即时通讯客户端，创建大量公共帐号，这些帐号展现的形式不统一、活动规则各不相同、类型简单单一，很多只是简单展现内容，相关数据存储在腾讯等第三方服务器上，无法获取和分析相关业务数据。带领公司团队连续几个月往返于广州和深圳与客户沟通交流和分析，最后成功为比亚迪建立统一的即时通讯公共账户管理平台，在该平台上统一向即时通讯客户端发布新闻、消息以及相关活动。该软件能够在自身服务器上统计相关应用数据，有利于后续将客户分群管理等。

项目三：农商银行

工作描述：珠江收银，全渠道收银交易系统。具有交易管理、二维码交易、银行卡联机交易和商户管理（包含官微公众号、商户通 APP、智能POS）。除了农商银行自己的支付通道，微信支付宝外，还有其他第三方的支付通道。所以技术难点在于不但要对接银行内部支付接口，同时还需要整合对接其他第三方聚合支付。最后通过共同努力成功解决难点聚合了多通道支付。

项目四：卓越教育

工作描述：这是一个帮助高中生摆脱拖延症，学习懒癌做好高考准备的专属应用。主要功能模块有：知识点循环听、名师学霸课程录音、方法日报、作文素材等。带上耳机，高中九科知识点就可以听着背！“听”着学习。有 400 万中学生在用，帮助卓越教育打通了线上线下的闭环。

项目五：企业培训融资

工作描述：专门帮助中小企业解决不同发展阶段的组织建设问题，带领团队去影响他们，帮助他人，提升自己。帮助更多有梦想的企业对接股权融资，资金、资源。带领 50 人团队最高峰为公司创造了 200 万/月销售额。

在校成绩

获奖情况：“博士博士后创新大赛”优秀奖；“联合国亚太经社会实习”证书；“中国大学生软件服务创新创业大赛”三等奖；“全国软件专业人才设计大赛”二等奖；奖学金一等奖、二等奖、三等奖，国家奖学金；创新之星；优秀毕业论文；“挑战杯”银奖；优秀学生干部、优秀义工、2010 年第十六届广州亚运会、亚残运会优秀志愿者杰出骨干、微笑之星；广州市首届大学生“赢在广州”创业大赛二等奖、商业模式设计大赛冠军等等。

校园实践：联合国亚太经社会实习—研究生会—助教—辅导员办公室助理—导生—“三下乡”科技服务社会实践—第 16 届广州亚运会赛会志愿者中队长—广州市义工—青年志愿者协会—计算机协会—学生会—班长

发明创造名称：一种基于毫米波雷达与视觉多模态融合的目标检测方法。

申请号或专利号：202311297542.5

多项软件著作权知识产权

Four Experiments and Three Thesis drafts

Prepare for publication

Diagnosis and Analysis of Intestinal Diseases based on Artificial Intelligence Algorithm Belief Rule Base reasoning.

Thesis drafts

- Trajectory Tracking and Distributed Formation Control of Underactuated Autonomous Underwater Vehicles.
- Intelligent detection of obstacles in front of vehicles based on the Multi-modal combination of Millimeter wave radar and Computer vision.

追求卓越，一直在努力！

The Chinese University of Hong Kong



學 大 文 中 港 香

Certifies that

WEI, Wenbin

has completed a programme in

Master of Science

in Environmental Information, Health and Public Management

and satisfied the examiners

and has been admitted to the Degree of

Master of Science

dated 15 October 2022

公
元
二
零
二
二
年
十
月
十
五
日

本大學研究學院學生魏文彬修畢
環境信息研究及健康與公共管理學
士課程成績及格照章授予理學碩士
學位此證

監 督 李 家 超
校 長 段 崇 智
教 務 長 余 蕙 卿

Chancellor

Vice-Chancellor

Registrar



I took IELTS 7 in March 2021 and have been studying and researching in an environment with English as the Medium language of instruction for nearly 4 years from August 2021 to August 2024.

IELTS[™] Indicator

Thank you for choosing IELTS Indicator.

We hope taking the test will help you in your university application process.

If you would like to select an institute to send your scores to, you may do so by emailing us at ielts.indicator@britishcouncil.org. Please check with the university or educational institution you are applying to first, to ensure they are accepting the IELTS Indicator scores.

For information on which organisation accepts IELTS Indicator, please visit takeielts.org/ieltsindicator

Your details are:

First Name	wenbin
Family Name	wei
Test date	Wednesday 17 March 2021
Indicator Score ID	9QAWS-IKX5G-IIB74

IELTS Indicator Test Scores:

Listening	8
Reading	8.5
Writing	6
Speaking	6
Overall	7

Best wishes,
The British Council Team

2021 British Council
The United Kingdom's international organisation for cultural relations and educational opportunities.
A registered charity: 209131 (England and Wales) SC037733 (Scotland).



Date : 29 July 2024

To Whom It May Concern

Medium of Instruction

I write to certify that English is the medium of instruction and assessment at the Hong Kong University of Science and Technology, unless otherwise approved by the University Senate for a specific course or program of study. This is stated in Section 1 of the Academic Regulations of the University.

Academic Regulations and Course Catalog of the University are accessible on web at the following addresses:

<http://acadreg.ust.hk/>

<http://prog-crs.ust.hk/>

Yours sincerely,

Renee Kou
Associate Academic Registrar
Academic Registry

RK/pc/190401



Our Ref : WEI Wenbin [20942943]
Date : 30 July 2024

TO WHOM IT MAY CONCERN

This is to certify that Mr WEI Wenbin [Exit-entry Permit No. C41961674] is currently enrolled as a second year full-time student of the University program leading to the Doctor of Philosophy Degree in Electronic and Computer Engineering.



Florence Lui (Ms)
for Associate Academic Registrar
Academic Registry

FL/fl/sl
3324/Testi78.doc

Mr. WEI Wenbin

Tianhe District, Guangzhou, China

Mobile: 852-62046559 (86-159 7558 9569)

Email: WEI.Wenbin@link.cuhk.edu.hk (weiwenbin2021@163.com)



ACADEMIC QUALIFICATIONS

- 08/2022-Now **The Hong Kong University of Science and Technology** PhD in ECE
- 2022 **The Chinese University of HongKong** Master in ISEIS Monitor
- 2013 **Guangzhou University** Bachelor of Engineering Software Engineering

WORKING EXPERIENCES

Robotics Institute | Four Experiments and Three Thesis drafts

- 2022-2024 **Prepare for publication:** Diagnosis and Analysis of Intestinal Diseases based on Artificial Intelligence Algorithm
Belief Rule Base reasoning

Thesis drafts

- Trajectory Tracking and Distributed Formation Control of Underactuated Autonomous Underwater Vehicles.
- Intelligent detection of obstacles in front of vehicles based on the Multi-modal combination of Millimeter wave radar and Computer vision.

2018-now **General Manager and Corporate Representative | Haibao Technology Co., Ltd**

- It is a professional company providing one-stop Internet solution service with major business covering website construction, SEO optimization, Internet promotion, Wechat account and mini program development, and software development
- Clients: Guangdong Polytechnic Normal University, BYD Auto, Jinjiang Inn, etc.

2017-now **General Manager | Midai Technology Co., Ltd**

- It is a professional company providing services such as software testing, research and development of Internet of Things technologies, information technology consulting and multi-media design

2014-now **General Manager and Corporate Representative | Guangzhou Youyi (Optimal A) Information Technology Co., Ltd**

- It is a professional company focusing on App development, Wechat third-party platform development, smart automation and overall network marketing with U1Soft APP Engine and U1 Soft Terminal Platform
- Clients: TCL, China Unicom, China Merchants Bank, China Southern Power Grid, Samsung, Southern Airlines, Excellent in Education, New Oriental, etc.

02/2013-02/2014 **Business Manager | Qihoo 360 Technology Co. Ltd.**

- Developed business channels and conducted business negotiations.
- Made a contribution to Qihoo's market share's rapid rise to 25% which ranked second in China

06/2012-09/2012 **Intern | Accenture**

- Assisted in basic work such as information collection, data analysis and market analysis

PROJECTS

07/2019-11/2019 **Bank of Agriculture and Commerce**

- Established an Omni-channel cashier transaction system called Zhujiang Cashier with functions of trading management, code trading, online bank card transaction, merchant management including official Wechat public account, Merchant App and intelligent POS
- Achieved a breakthrough of integrating and docking third-party aggregate payment

02/2017-03/2020 **Corporate Financial Training**

- Led a team of 50 people and created sales of 2000 thousand RMB in a month
- Helped medium and small enterprise solve constructional problems at different stages, connect resources and match equity financing

05/2016-09/2016 **Southern Airlines**

- Led the product team and technique experts to develop the online training systems, learning systems and internal examination system including PC terminal, APP and backstage management system
- Conducted overall analysis and management on aspects of product planning, design, development, testing and landing
- Greatly improved employees' training efficiency and changed the study mode

04/2015-10/2016 **Excellence in Education**

- Established an education application for high school students to prepare for National College Entrance Examination with 4000 thousand users, and helped Excellence in Education open the closed online and offline loops
- Major functions included knowledge point recording, course recording, daily sharing of teaching methods and composition materials

03/2014-06/2014 **BYD**

- Led the team to take business trips for deep communication and analysis, and successfully established an instant messaging public account management platform which can publish news, messages and activities to instant messaging client sides, and store statistical data on its' own server, which will be conducive to the client classification

CAMPUS ACTIVITIES

2010 **Volunteer and Team Leader | The 16th Asian Games & Asian Para Games**

- Served as a volunteer of equestrian sports competitions after passing competitive tests and interviews
- Obtained awards of Excellent Volunteer, Outstanding Student Leader and Star of Smile
- Dedicated 83 hours' volunteer work

2012 **Participant and Team Leader | China Students Service Outsourcing Innovation and Entrepreneurship Competition**

- Established a 3-people team to conduct a project about health food service platform
- Obtained the third prize among participants from mainland China, Hong Kong, Macau and Taiwan

2009-2013 **Travel around China and Hiking to Tibet**

- Travelled to more than 20 provinces of China such as Hainan, Shanghai, Beijing, Hunan and Heilongjiang
- Spent 36 days walking to Tibet, crossing mountains and rivers, overcoming difficulties and experiencing various fabulous scenes

ADDITIONAL SKILLS AND QUALIFICATIONS

Professional Titles

- 2012 Certified Professional in Enterprise Java, Data Base Programming & Stored Procedures, Software Engineering, Unit Testing, SSH, Design Pattern
- 2005 Microsoft Certified Technology Specialist: SQL Server
- MCP Certificate, IBM DB2 Certificate

Scholarships & Academic Certificates

- **2013 National Scholarship, Star of Innovation**
- 2013 First-class Scholarship
- 2012 Third-class Scholarship, Nomination for University Scholarship
- 2011 Second-class Scholarship
- **2013 First Prize | Business Mode Design Competition**
- **2013 Third Prize | Excellent Graduation Dissertation**
- 2012 Second Prize | The 3rd Lanqiao Cup National Software Talent Design and Entrepreneurship Competition
- **2012 Third Prize | China Students Service Outsourcing Innovation and Entrepreneurship Competition**
- 2012 Second Prize | Winning in Guangzhou-College Students Entrepreneurship Competition
- 2012 Excellent Award | Resume Making Competition
- **2011 Silver Prize | The 8th Challenge Cup Chinese College Students Entrepreneurship Competition**
- 2011 Completion Certificate | Career Planning Tutor Training Programme
- 2011-2012 Student Tutor | Department of Software Engineering
- 2010 Second Prize | Times · Youth · Mission Speech Contest
- 2009-2010 Member of Academic Department | Student Union

Volunteer Certificates & Extracurricular Activities

- 2015 Volunteer | Guangdong Lions Tsurumai Service Team
- 2011 Third Prize | Soccer Competition
- **2010 Excellent Volunteer, Student Leader & Star of Smile | The 16th Asian Games and Asian Para Games**
- 2010 Excellent Volunteer | Guangzhou Nursing House
- 2009 Fifth Place in Track Events | Sports Meeting
- **Invention and creation patents and multiple software copyright intellectual properties**



个人信息

姓名: 魏文彬
民族: 汉
电话: 852-62046559 (86-159 7558 9569)
邮箱: WEI.Wenbin@link.cuhk.edu.hk (weiwenbin2021@163.com)
出生年月: 1990.05
籍贯: 广东.广州
现定居: 香港



教育背景

2022.08-至今 香港科技大学 电子计算机 博士 机器人研究所
2022 香港中文大学 太空与地球信息科学 硕士 班长
2013 广州大学 软件工程 (软件开发) 本科 班长\团委学生会

主修课程: 高等数学、C++、Java、WEB编程、软件工程概论、IBM IPD职业技能、计算机网络、数据库系统、数据结构算法设计、XML企业应用开发、操作系统、面向对象分析与设计、企业管理学、市场营销学、消费者行为学、广告与品牌管理、顾客心理学、跨文化人力资源管理

技能兴趣

资格证: 微软SQL技术专家认证、计算机4级、IBM DB2 认证、MCP 认证;
计算机技能: 熟练应用网络、Windows操作系统、Office办公软件、Photoshop等软件;
语言技能: 精通普通话、客家话、粤语、熟练掌握英语;
兴趣才艺: 足球、田径、游泳、骑行等。

自我评价

创业 8 年老兵, 曾带领管理公司 100 人团队 (市场、行政、人事、产品、设计、技术开发和 60 人销售)。乐观开朗, 爱旅游, 爱健身。责任心、集体观念强, 具有良好的团队管理经验和沟通协调能力。熟悉 IT 互联网行业, 具有敏锐的互联网思维, 了解医疗、教育、支付、旅游、电商、OA 办公、社交等相关项目。擅长狼性团队激励和培训管理。

工作经历

2014 年 5 月 - 至今 优一科技\米袋软件\海豹科技 总经理 (CEO)
合作服务伙伴: 南方航空、去哪儿、招商银行、卓越教育、南方电网、农商银行、珍爱网、雷士照明、中国零食网、广东技术师范大学、南方医院、中国联通、TCL、比亚迪、锦江之星和广东狮子会……
2013 年 2 月 - 2014 年 2 月 奇虎 360 商务经理
2012 年 6 月 - 2012 年 9 月 埃森哲 (Accenture) 中国有限公司 实习

项目经验

项目一: 南方航空

工作描述: 在线考试培训系统, 空姐空少在线学习培训、考试的内部系统 (包含 PC 端、APP 和后台管理系统)。亲自带队产品项目和技术人员到南航公司驻场完成项目。就产品规划、立项、设计、研发、测试、投入使用等相关开展详细的沟通和分析, 优化改善了南航内部员工学习培训模式和效率。

项目二：比亚迪

工作描述：比亚迪在迪粉汇、微信等即时通讯客户端，创建大量公共帐号，这些帐号展现的形式不统一、活动规则各不相同、类型简单单一，很多只是简单展现内容，相关数据存储在腾讯等第三方服务器上，无法获取和分析相关业务数据。带领公司团队连续几个月往返于广州和深圳与客户沟通交流和分析，最后成功为比亚迪建立统一的即时通讯公共账户管理平台，在该平台上统一向即时通讯客户端发布新闻、消息以及相关活动。该软件能够在自身服务器上统计相关应用数据，有利于后续将客户分群管理等。

项目三：农商银行

工作描述：珠江收银，全渠道收银交易系统。具有交易管理、二维码交易、银行卡联机交易和商户管理（包含官微公众号、商户通 APP、智能POS）。除了农商银行自己的支付通道，微信支付宝外，还有其他第三方的支付通道。所以技术难点在于不但要对接银行内部支付接口，同时还需要整合对接其他第三方聚合支付。最后通过共同努力成功解决难点聚合了多通道支付。

项目四：卓越教育

工作描述：这是一个帮助高中生摆脱拖延症，学习懒癌做好高考准备的专属应用。主要功能模块有：知识点循环听、名师学霸课程录音、方法日报、作文素材等。带上耳机，高中九科知识点就可以听着背！“听”着学习。有 400 万中学生在用，帮助卓越教育打通了线上线下的闭环。

项目五：企业培训融资

工作描述：专门帮助中小企业解决不同发展阶段的组织建设问题，带领团队去影响他们，帮助他人，提升自己。帮助更多有梦想的企业对接股权融资，资金、资源。带领 50 人团队最高峰为公司创造了 200 万/月销售额。

在校成绩

获奖情况：“博士博士后创新大赛”优秀奖；“联合国亚太经社会实习”证书；“中国大学生软件服务创新创业大赛”三等奖；“全国软件专业人才设计大赛”二等奖；奖学金一等奖、二等奖、三等奖，国家奖学金；创新之星；优秀毕业论文；“挑战杯”银奖；优秀学生干部、优秀义工、2010 年第十六届广州亚运会、亚残运会优秀志愿者杰出骨干、微笑之星；广州市首届大学生“赢在广州”创业大赛二等奖、商业模式设计大赛冠军等等。

校园实践：联合国亚太经社会实习—研究生会—助教—辅导员办公室助理—导生—“三下乡”科技服务社会实践—第 16 届广州亚运会赛会志愿者中队长—广州市义工—青年志愿者协会—计算机协会—学生会—班长

发明创造名称：一种基于毫米波雷达与视觉多模态融合的目标检测方法。

申请号或专利号：202311297542.5

多项软件著作权知识产权

Four Experiments and Three Thesis drafts

Prepare for publication

Diagnosis and Analysis of Intestinal Diseases based on Artificial Intelligence Algorithm Belief Rule Base reasoning.

Thesis drafts

- Trajectory Tracking and Distributed Formation Control of Underactuated Autonomous Underwater Vehicles.
- Intelligent detection of obstacles in front of vehicles based on the Multi-modal combination of Millimeter wave radar and Computer vision.

追求卓越，一直在努力！

Dear Professor & To Whom It May Concern,

My name is WEI Wenbin, and I am in Hong Kong. I am an outgoing young man with a great love for Life, Sports, and Travel. During the summer vacation of my junior year in 2012, I embarked on an extraordinary journey. Traveling solo with a backpack weighing a formidable 30 kilograms, I trekked across the vast and boundless Tibetan plateau. Enduring countless hardships, I eventually extended my footsteps to the majestic silhouette of the world's highest peak—Mount Qomolangma.

I am a second-year PhD student at the Hong Kong University of Science and Technology, and I graduated from the Chinese University of Hong Kong. I completed my undergraduate degree with first prize and an excellent thesis, graduating one year ahead of schedule. **I have been a full-time entrepreneur for ten years and deeply rooted in the Computer Science field for fifteen years, focusing on continuous research and innovation in software and hardware technologies,** demonstrating my unwavering perseverance, passion, and profound accumulation for CS.

My research fields include but are not limited to **AI, Big Data, Robotic Control (perception, positioning, navigation, path planning, multi-agent collaborative control, etc.), IoT, Software Engineering, Computer Vision, Machine Learning, Signal Processing, Natural Language Processing, Unmanned Autonomous Systems, and Human-computer Visualization Interaction.**

Within just one year of my first year as a PhD student, I have successfully fulfilled all the courses requirements and academic standards for graduation from HKUST with outstanding results. This achievement demonstrates my profound knowledge foundation and efficient learning abilities and granted me the honor of representing HKUST in the **"China Doctoral and Postdoctoral Innovation Competition"**. On this competitive stage filled with top academic talents, we distinguished ourselves with exceptional performance, successfully advancing to the finals and achieving remarkable results that added a significant chapter to my academic journey.

Why Columbia, USA?

Since UG, studying in the USA has always been my dream in my life and career planning.

After careful consideration and self-reflection, I have realized that HKUST's learning environment fails to fully cater to my individualized growth needs, and instead, to a certain extent, restricts the unleashing of my potential and the pursuit of my dreams. **I aspire to pursue Columbia.**

I want to break through my limitations, realize bigger aspirations, and also driven by my yearning for the top educational resources in the USA. My emphasis on nurturing innovation capabilities, my admiration for my dream university and its esteemed professors, as well as my appreciation for the diverse and inclusive cultural environment, coupled with a comprehensive consideration for my ambitious career development plan in the future. **I have resolutely decided to suspend my current PhD studies and drop out of HKUST, instead pursue PhD studies at Columbia.**

Professor's research focus on "AI, Robotics, Intelligent Autonomous Systems, Computer Vision, Machine Learning, Signal Processing, Natural Language Processing, Human-Computer Interaction" is a good match with my expertise, and I have strong advantages and rich experiences.

Compared to other candidates, I possess profound technical skills, extensive and in-depth project experience, outstanding writing abilities, and a strong sense of teamwork, and demonstrate exceptional

professional competence in my field. My technical insight and problem-solving abilities enable me to quickly adapt to various complex situations, while my rich practical background provides me with unique perspectives and efficient strategies for tackling difficult problems. Consequently, I do not require additional valuable training time or a lengthy waiting period; instead, I can immediately immerse myself in the profound realm of academic research and the critical aspects of project work in a highly efficient, professional, and productive manner, thereby significantly enhancing and contributing to the team's performance.

I sincerely hope to have the honor of becoming your PhD student and making remarkable contributions and achievements under your supervision.

Who am I?

A Practitioner of Diversity Exploration, Social Responsibility, and Outstanding Contribution

In the field of hope in Meizhou, Guangdong, China, my growth story is a vivid chapter about extraordinary diversity exploration, deep social responsibility, and unremitting contribution. I was born into a simple rural family, although I do not have a prominent family background, my parents paved a solid road to the palace of knowledge for me with endless love and support. Faced with the unsatisfactory university entrance examination and missed the ideal South China University of Technology, I did not sink. Still, I turned the setback into motivation and moved forward with a more tenacious attitude. With my unremitting efforts and outstanding talents, I shined in the academic field and became the **First university student** in my family, opening the prelude to diversity development.

2009-2013, Dream Takes Flight, Diverse Achievements, and Profound Experiences

During these passionate years in university, I graduated a year ahead of schedule with the top grade and an outstanding thesis, and achieved the remarkable feat of completing a four-year undergraduate degree in three years. I also garnered numerous accolades in various National competitions, winning multiple **National scholarships** and the title of **"Innovation Star"**, and **"Second Prize in the Speech Competition"**, showcasing my profound potential and limitless possibilities in technology.

Simultaneously, I was deeply engaged in social service, serving as a core volunteer for the 16th Asian Games and Asian Para Games in Guangzhou, as well as a long-term volunteer at a Guangzhou nursing home. Through these experiences, I profoundly grasped the essence of "smiles spreading warmth, and actions embodying love," earning titles such as **"Smiling Star of the Asian Games"**, **"Excellent Volunteer of the Asian Games"**, and **"Outstanding Volunteer of Guangzhou"**, demonstrating my profound understanding and active fulfillment of social responsibility.

Neither of my parents went to high school. On both the academic and athletic fronts, I excelled, pursuing excellence in academics while achieving remarkable results in sports competitions like track and field, Swimming, Windsurfing, and Football, fostering a comprehensive development of body and mind. Furthermore, I leveraged my scholarships and entrepreneurial endeavors to travel across China, visiting over twenty provinces and cities, culminating in a journey to the peak of the world—Mount Qomolangma in Tibet. By incorporating the philosophy of "reading thousands of books and traveling thousands of miles" into my life, I broadened my horizons and enriched my life experiences.

2014-2024, A Journey of Entrepreneurship Intertwined with Social Responsibility

Since 2014, I have embarked on a daring path of entrepreneurship from scratch, a journey fraught with uncertainty and challenges yet forging my indomitable spirit. Leveraging my keen market insight and

relentless efforts, I successfully founded three internet technology companies, my company has more than Fifty software engineers. Along this entrepreneurial odyssey, I confronted countless hurdles and obstacles but persevered, ultimately leading my companies to prosperity. This journey not only honed my business acumen and leadership skills, achieving a leap in personal value, but also created economic value and job opportunities for society, exemplifying the responsibility and commitment of a new generation of youth.

I am a First generation university student. During this period, I was acutely aware of the social responsibilities that come with being an entrepreneur. As I pursued business success, I never forgot to give back to society. I joined Lions Club International (headquartered in the United States, the world's largest service organization) and founded the Guangdong Lions Club Crane Dance Service Team on this platform. Personally leading the team, I actively engaged in social service work, bringing care and warmth to those in need, especially lonely elderly and disadvantaged children. Through charitable activities, I achieved self-actualization and contributed to building a harmonious society. This concurrent experience of entrepreneurship and social service deeply instilled in me the notion that "with great power comes great responsibility," further strengthening my resolve to continue moving forward and dedicating myself. I have embodied the noble idea of "giving back to society and serving others" through concrete actions, spreading positive energy throughout the community.

2021-Now, Restarting the Academic Journey and Pursuing a New Chapter of Excellence

After eight years of entrepreneurship, I did not stop when my career was successful. Instead, I made a brave decision and resolutely chose to pursue further studies again to pursue higher academic achievements. I went to the Chinese University of Hong Kong and the Hong Kong University of Science and Technology to pursue a master's and doctoral degree. I continued to explore cutting-edge fields such as space and earth information science and electronic computers (Artificial Intelligence and Robotic control), achieved excellent results, and served as a class monitor, demonstrating excellent organizational and management skills, aiming to transform cutting-edge technology into a force to promote social progress. This decision is not only a persistence in personal dreams but also a vision and commitment to future education.

Dreams Fulfilled, Envisioning a Future Where Education and Innovation Thrive Hand in Hand

Looking ahead, I am filled with passion and anticipation. With a strong desire to give back to society what I have learned, I look forward to sharing knowledge and inspiring wisdom from the university podium, guiding generations towards even brighter tomorrows, and nurturing more talents with innovative spirit and practical abilities for society. At the same time, I aim to follow in the footsteps of outstanding entrepreneurs like Musk, dedicating myself to transforming research results into impactful commercial projects. I aspire to carve out my path in the innovative and entrepreneurial landscape of the United States, contributing to technological innovation and societal development.

Finally, I hope to repay society with my achievements and contributions, adding more honor and pride to University. **I want to become a volunteer for the 2028 Los Angeles Olympics, serving the United States and dedicating myself to the world.** Every effort will not be in vain, and every sacrifice will yield abundant rewards. In the future, I will uphold my original aspirations and dreams, courageously advancing on the path where education and innovation converge, writing my brilliant chapter.

My Abilities and Advantages

I have strong self-motivation, curiosity and innovation, time management skills, and can efficiently and excellently complete all tasks the advisor assigns. I am outgoing and sociable, can get along well with others, have strong resilience, diligent and hard-working, and possess strong learning ability and excellent execution skills. Additionally, I am excellent at producing high-quality thesis writing.

I have rich experiences in AI and Machine Learning. My expertise includes **UE product planning, UI interaction design, Database design, mining, and analysis, Data acquisition, Signal processing, Developing integrated software for visualization systems, and Computer vision, as well as algorithm optimization and improvement for these technologies.** I am proficient and experienced in these areas, with 15 years of expertise in computer software and hardware development. I efficiently complete around 30 to 40 projects per year, totaling over 300 projects as a seasoned technology entrepreneur (**some of which have been featured in news reports by CCTV**). I excel in project business negotiation, project management, design, technical development, testing, and delivery, as well as maintaining strong client relationships. Additionally, I possess excellent writing skills.

I have completed four Experiments and three Thesis drafts

1. Trajectory Tracking and Distributed Formation Control of Underactuated Autonomous Underwater Vehicles;
2. Millimeter wave radar detection of human posture activity recognition and heart rate and respiratory rate monitoring;
3. Diagnosis and analysis of intestinal diseases based on artificial intelligence models and computer vision technology;
4. Intelligent detection of obstacles in front of vehicles based on the Multi-modal combination of Millimeter wave radar and Computer vision.

I possess invention and creation patents and multiple software copyright intellectual properties.

I am very open. With my abilities and advantages, I can accept any research topic.

I have immersed myself in the exploration and research of cutting-edge technologies, encompassing artificial intelligence, robot control and unmanned automation systems, signal processing, as well as computer vision. This journey has not only deepened my comprehension and application capabilities in these sophisticated technologies but also instilled in me rigorous scientific thinking, innovative problem-solving skills, and a collaborative team spirit. Through my involvement in multiple research projects, I have amassed invaluable practical experience, encompassing algorithm optimization, system design and implementation, data analysis, and interpretation, all of which have solidified a robust foundation for my advancement in related fields.

I look forward to joining your group and making a remarkable contributions and achievements under your supervision. **Once an advisor, always a father. I am willing to contribute a lifetime of strengths and intellect to my supervisor.** Please feel free to contact me anytime.

Thank you so much! I appreciate that. Have a lovely day. 感谢.感恩!

Best Regards,
HKUST & CUHK WEI Wenbin (Robin)

AI, Robotics, Multi-robot Human collaboration and Computer Vision

Expected Contributions and Achievements for my PhD at Columbia

- a.** Efficiently and Excellent accomplish all tasks assigned by my advisor.
- b.** Publish multiple academic papers, participate in academic conferences, engage in peer discussions, and share research findings.
- c.** Propose novel algorithms and methods to advance the field of Robotics, Multi-robot Human collaboration, Computer Vision, Machine Learning, and Natural Language Processing.
- d.** Complete my PhD thesis and obtain a doctoral degree.
- e.** Selflessly contributing, as an outstanding volunteer for the 2010 Guangzhou Asian Games and Asian Paralympic Games, Smiling Star and Guangzhou Excellent Volunteer. I will be a volunteer to serve the School and Community during the holidays, and my biggest dream is to become a volunteer for the 2028 Los Angeles Olympics, serving the United States and dedicating myself to the world.
- f.** Provide practical guidance and recommendations for the practical application of Robotics, Multi-robot Human collaboration, Computer Vision, Machine Learning, Signal Processing, and Natural Language Processing.
- g.** Set up a startup company and possess multiple patents and intellectual property rights.

My research fields include but are not limited to **AI, Big Data, Robotic Control (perception, positioning, navigation, path planning, multi-agent collaborative control, etc.), IoT, Computer Vision, Signal Processing, Natural Language Processing, Software Engineering, Unmanned Autonomous Systems, and Human-computer Visualization interaction.**

I have strong self-motivation, curiosity and innovation, time management skills, and can efficiently and excellently complete all tasks the advisor assigns. I am outgoing and sociable, can get along well with others, have strong resilience, diligent and hard-working, and possess strong learning ability and excellent execution skills. Additionally, I am excellent at producing high-quality thesis writing.

2022.08-2024.06, I have completed four Experiments and three Thesis drafts

1. Trajectory Tracking and Distributed Formation Control of Underactuated Autonomous Underwater Vehicles;
2. Millimeter wave radar detection of human posture activity recognition and heart rate and respiratory rate monitoring;
3. Diagnosis and analysis of intestinal diseases based on artificial intelligence models and computer vision technology;
4. Intelligent detection of obstacles in front of vehicles based on the Multi-modal combination of Millimeter wave radar and Computer vision.

I possess invention and creation patents and multiple software copyright intellectual properties.

2014.03-2024.09, I have been a full-time entrepreneur for ten years and I have been deeply rooted in the IT internet field for fifteen years. Focusing on continuous research and innovation in software and hardware technologies, demonstrating my unwavering perseverance, passion, and profound accumulation for this industry.

I have rich experiences in AI and Machine Learning. My expertise includes **UE product planning, UI interaction design, Database design, mining, and analysis, Data acquisition, Signal processing, Developing integrated software for visualization systems, Machine Learning and Computer vision, as well as algorithm optimization and improvement for these technologies.** I am proficient and experienced in these areas, with 15 years of expertise in computer software and hardware development. I efficiently complete around 30 to 40 projects per year, totaling over 300 projects as a seasoned technology entrepreneur (**some of which have been featured in news reports by CCTV**). I excel in project business negotiation, project management, design, technical development, testing, and delivery, as well as maintaining strong client relationships. Additionally, I possess excellent writing skills.

Technological approach and proposed studies

Autonomous Navigation: Researching autonomous navigation algorithms based on Machine Learning and reinforcement learning to enhance a robot's path planning and obstacle avoidance capabilities in complex environments through simulation training and real-world testing.

- Utilizing deep learning and reinforcement learning algorithms to develop robust navigation systems for industrial robots.
- Integrating sensors such as LiDAR, cameras, MMwave, IMU, etc., to achieve real-time environment perception and obstacle avoidance.
- Implementing SLAM technology to achieve precise localization and path planning for robots.

Visual Recognition: Use deep learning models to improve the robot's high-precision recognition of product defects and rapid adaptation to the working environment. Improve the accuracy and robustness of the robot's ability to recognize, locate and track objects. At the same time, explore the application of advanced technologies such as attention mechanisms and GAN in visual recognition.

- Use advanced deep learning models such as CNN to achieve high-precision object recognition and defect detection.
- Develop custom datasets and fine-tune models to solve specific manufacturing challenges, such as detecting subtle defects on the surface of products.
- Combine attention mechanisms and GANs to improve recognition performance in complex scenarios.

Multi-Agent Collaboration: Research collaborative strategies based on distributed computing and Machine Learning, verifying their effectiveness and stability through simulation experiments and practical applications. Achieve efficient collaboration among multiple robots in complex tasks to enhance overall operational efficiency.

- Design a distributed control architecture to enable seamless communication and coordination among multiple robots.
- Develop algorithms for task allocation, information sharing, and conflict resolution to optimize the performance of multi-robot systems.
- Utilize simulation platforms to test and validate collaboration strategies before actual deployment.

Service Robot Application Exploration: Design and develop service robot systems suitable for specific scenarios based on the actual needs of the manufacturing industry. Such as intelligent inspection robots, material handling robots, etc. Continuously optimize robot functions and performance through field testing and user feedback.

- Thoroughly analyze the manufacturing process to determine where service robots can provide the greatest value.
- Develop service robots with functions such as autonomous material transportation, inventory tracking, and equipment monitoring.
- Work with manufacturing partners to deploy service robots in real-world environments and evaluate their impact on operational efficiency and safety.

Application areas of Robotics, Multi-robot Human collaboration and Computer Vision: Industrial Manufacturing, Healthcare, Safety and Rescue, Education and Service Industries, etc.
I am very open. With my abilities and advantages, I can accept any research topic.

Compared to other candidates, I possess profound technical skills, extensive and in-depth project experience, outstanding writing abilities, and a strong sense of teamwork, and demonstrate exceptional professional competence in my field. My technical insight and problem-solving abilities enable me to adapt to various complex situations quickly. At the same time, my rich practical background provides me with unique perspectives and efficient strategies for tackling difficult problems. Consequently, I do not require additional valuable training time or a lengthy waiting period; instead, I can immediately immerse myself in the profound realm of academic research and the critical aspects of project work in a highly efficient, professional, and productive manner, thereby significantly enhancing and contributing to the team's performance.

Here's a short list of awards I obtained.

- **Guangzhou Innovative and Entrepreneurial talent;**
- CAAC UAV License; United Nations ESCAP Internship
- China Doctoral/Postdoctoral Innovation Competition Excellence Award;
- Second Award | The 3rd Lanqiao Cup National Software Talent Design and Entrepreneurship Competition;
- **Scholarships for all four years of University;**
- Third Award | China Students Service Outsourcing Innovation and Entrepreneurship Competition;
- **National Scholarship; Innovation Star; Excellent graduation thesis;**
- Silver Award | The 8th Challenge Cup Chinese College Students Entrepreneurship Competition;
- Certified Professional in Enterprise Java, Data Base; Programming & Stored Procedures, Software Engineering, Unit Testing, SSH, Design Pattern;
- **Asian Games Smiling Star; Second Prize in the Speech Competition**
- Outstanding volunteer backbone of the 16th Guangzhou Asian Games and Asian Paralympic Games in 2010;
- Microsoft Certified Technology Specialist: SQL Server;
- MCP Certificate, IBM DB2 Certificate.....

Dear Professor & To Whom It May Concern,

My name is WEI Wenbin, and I am in Hong Kong. I am an outgoing young man with a great love for Life, Sports, and Travel. During the summer vacation of my junior year in 2012, I embarked on an extraordinary journey. Traveling solo with a backpack weighing a formidable 30 kilograms, I trekked across the vast and boundless Tibetan plateau. Enduring countless hardships, I eventually extended my footsteps to the majestic silhouette of the world's highest peak—Mount Qomolangma.

I am a second-year PhD student at the Hong Kong University of Science and Technology, and I graduated from the Chinese University of Hong Kong. I completed four years of university study with First prize results and an excellent graduation thesis, graduating one year ahead of schedule. I have been a full-time entrepreneur for ten years and I have been deeply rooted in the IT internet field for sixteen years, focusing on continuous research and innovation in software and hardware technologies, demonstrating my unwavering perseverance, passion, and profound accumulation for this industry. My research fields include but are not limited to **AI, Big Data, Robotic Control (perception, positioning, navigation, path planning, multi-agent collaborative control, etc.), IoT, Software Engineering, Computer Vision, Machine Learning, NLP, Signal Processing, Unmanned Autonomous Systems, and Human-computer Visualization interaction.**

Within just one year of my first year as a PhD student, I have successfully fulfilled all the courses requirements and academic standards for graduation from HKUST with outstanding results. This achievement demonstrates my profound knowledge foundation and efficient learning abilities and granted me the honor of representing HKUST in the **"China Doctoral and Postdoctoral Innovation Competition"**. On this competitive stage filled with top academic talents, we distinguished ourselves with exceptional performance, successfully advancing to the finals and achieving remarkable results that added a significant chapter to my academic journey.

Why Columbia, USA?

Since UG, studying in the United States has always been my dream in my life and career planning. After careful consideration and self-reflection, I have realized that HKUST's learning environment fails to fully cater to my individualized growth needs, and instead, to a certain extent, restricts the unleashing of my potential and the pursuit of my dreams. **I aspire to pursue Columbia.** I want to break through my limitations, realize bigger aspirations, and also driven by my yearning for the top educational resources in the USA. My emphasis on nurturing innovation capabilities, my admiration for my dream university and its esteemed professors, as well as my appreciation for the diverse and inclusive cultural environment, coupled with a comprehensive consideration for my ambitious career development plan in the future. **I have resolutely decided to suspend my current PhD studies and instead pursue further education at Columbia.**

Professor's research focus on "AI, Robotics, Automation control, Computer Vision, Machine Learning, Signal Processing, Natural Language Processing, Human-Computer Interaction" is a good match with my expertise, and I have strong advantages and rich experiences.

Compared to other candidates, I possess profound technical skills, extensive and in-depth project experience, outstanding writing abilities, and a strong sense of teamwork, and demonstrate exceptional

professional competence in my field. My technical insight and problem-solving abilities enable me to quickly adapt to various complex situations, while my rich practical background provides me with unique perspectives and efficient strategies for tackling difficult problems. Consequently, I do not require additional valuable training time or a lengthy waiting period; instead, I can immediately immerse myself in the profound realm of academic research and the critical aspects of project work in a highly efficient, professional, and productive manner, thereby significantly enhancing and contributing to the team's performance.

I sincerely hope to have the honor of becoming your PhD student and making remarkable contributions and achievements under your supervision.

Who am I?

A Practitioner of Diversified Exploration, Social Responsibility, and Outstanding Contribution

In the field of hope in Meizhou, Guangdong, China, my growth story is a vivid chapter about extraordinary diversified exploration, deep social responsibility, and unremitting contribution. I was born into a simple rural family, although I do not have a prominent family background, my parents paved a solid road to the palace of knowledge for me with endless love and support. Faced with the unsatisfactory university entrance examination and missed the ideal South China University of Technology, I did not sink. Still, I turned the setback into motivation and moved forward with a more tenacious attitude. With my unremitting efforts and outstanding talents, I shined in the academic field and became the first university student in my family, opening the prelude to diversified development.

2009-2013, Dream Takes Flight, Diverse Achievements, and Profound Experiences

During these passionate years in university, I graduated a year ahead of schedule with the top grade and an outstanding thesis, and achieved the remarkable feat of completing a four-year undergraduate degree in three years. I also garnered numerous accolades in various National competitions, winning multiple **National scholarships** and the title of **"Innovation Star"**, and **"Second Prize in the Speech Competition"**, showcasing my profound potential and limitless possibilities in technology.

Simultaneously, I was deeply engaged in social service, serving as a core volunteer for the 16th Asian Games and Asian Para Games in Guangzhou, as well as a long-term volunteer at a Guangzhou nursing home. Through these experiences, I profoundly grasped the essence of "smiles spreading warmth, and actions embodying love," earning titles such as **"Smiling Star of the Asian Games"**, **"Excellent Volunteer of the Asian Games"**, and **"Outstanding Volunteer of Guangzhou"**, demonstrating my profound understanding and active fulfillment of social responsibility.

On both the academic and athletic fronts, I excelled, pursuing excellence in academics while achieving remarkable results in sports competitions like track and field, Swimming, Windsurfing and Football, fostering a comprehensive development of body and mind. Furthermore, I leveraged my scholarships and entrepreneurial endeavors to travel across China, visiting over twenty provinces and cities, culminating in a journey to the peak of the world—Mount Qomolangma in Tibet. By incorporating the philosophy of "reading thousands of books and traveling thousands of miles" into my life, I broadened my horizons and enriched my life experiences.

2014-2024, A Journey of Entrepreneurship Intertwined with Social Responsibility

Since 2014, I have embarked on a daring path of entrepreneurship from scratch, a journey fraught with uncertainty and challenges yet forging my indomitable spirit. Leveraging my keen market insight and

relentless efforts, I successfully founded three internet technology companies, my company has more than Fifty software engineers. Along this entrepreneurial odyssey, I confronted countless hurdles and obstacles but persevered, ultimately leading my companies to prosperity. This journey not only honed my business acumen and leadership skills, achieving a leap in personal value, but also created economic value and job opportunities for society, exemplifying the responsibility and commitment of a new generation of youth.

During this period, I was acutely aware of the social responsibilities that come with being an entrepreneur. As I pursued business success, I never forgot to give back to society. I joined Lions Club International (headquartered in the United States, the world's largest service organization) and founded the Guangdong Lions Club Crane Dance Service Team on this platform. Personally leading the team, I actively engaged in social service work, bringing care and warmth to those in need, especially lonely elderly and disadvantaged children. Through charitable activities, I achieved self-actualization and contributed to building a harmonious society. This concurrent experience of entrepreneurship and social service deeply instilled in me the notion that "with great power comes great responsibility," further strengthening my resolve to continue moving forward and dedicating myself. I have embodied the noble idea of "giving back to society and serving others" through concrete actions, spreading positive energy throughout the community.

2021-Now, Restarting the Academic Journey and Pursuing a New Chapter of Excellence

After eight years of entrepreneurship, I did not stop when my career was successful. Instead, I made a brave decision and resolutely chose to pursue further studies again to pursue higher academic achievements. I went to the Chinese University of Hong Kong and the Hong Kong University of Science and Technology to pursue a master's and doctoral degree. I continued to explore cutting-edge fields such as space and earth information science and electronic computers (Artificial Intelligence and Robotic control), achieved excellent results, and served as a class monitor, demonstrating excellent organizational and management skills, aiming to transform cutting-edge technology into a force to promote social progress. This decision is not only a persistence in personal dreams but also a vision and commitment to future education.

Dreams Fulfilled, Envisioning a Future Where Education and Innovation Thrive Hand in Hand

Looking ahead, I am filled with passion and anticipation. With a strong desire to give back to society what I have learned, I look forward to sharing knowledge and inspiring wisdom from the university podium, guiding generations towards even brighter tomorrows, and nurturing more talents with innovative spirit and practical abilities for society. At the same time, I aim to follow in the footsteps of outstanding entrepreneurs like Musk, dedicating myself to transforming research results into impactful commercial projects. I aspire to carve out my path in the innovative and entrepreneurial landscape of the United States, contributing to technological innovation and societal development.

Finally, I hope to repay society with my achievements and contributions, adding more honor and pride to University. **I want to become a volunteer for the 2028 Los Angeles Olympics, serving the United States and dedicating myself to the world.** Every effort will not be in vain, and every sacrifice will yield abundant rewards. In the future, I will uphold my original aspirations and dreams, courageously advancing on the path where education and innovation converge, writing my brilliant chapter.

My Abilities and Advantages

I have strong self-motivation, curiosity and innovation, time management skills, and can efficiently and excellently complete all tasks the advisor assigns. I am outgoing and sociable, can get along well with others, have strong resilience, diligent and hard-working, and possess strong learning ability and excellent execution skills. Additionally, I am excellent at producing high-quality thesis writing.

I have rich experiences in AI and Machine Learning. My expertise includes **UE product planning, UI interaction design, Database design, mining, and analysis, Data acquisition, Signal processing, Developing integrated software for visualization systems, and Computer vision, as well as algorithm optimization and improvement for these technologies.** I am proficient and experienced in these areas, with 16 years of expertise in computer software and hardware development. I efficiently complete around 30 to 40 projects per year, totaling over 300 projects as a seasoned technology entrepreneur (**some of which have been featured in news reports by CCTV**). I excel in project business negotiation, project management, design, technical development, testing, and delivery, as well as maintaining strong client relationships. Additionally, I possess excellent writing skills.

I have completed four Experiments and three Thesis drafts

1. Trajectory Tracking and Distributed Formation Control of Underactuated Autonomous Underwater Vehicles;
2. Millimeter wave radar detection of human posture activity recognition and heart rate and respiratory rate monitoring;
3. Diagnosis and analysis of intestinal diseases based on artificial intelligence models and computer vision technology;
4. Intelligent detection of obstacles in front of vehicles based on the Multi-modal combination of Millimeter wave radar and Computer vision.

I possess invention and creation patents and multiple software copyright intellectual properties.

I am very open. With my abilities and advantages, I can accept any research topic.

I have immersed myself in the exploration and research of cutting-edge technologies, encompassing artificial intelligence, robot control and unmanned automation systems, signal processing, as well as computer vision. This journey has not only deepened my comprehension and application capabilities in these sophisticated technologies but also instilled in me rigorous scientific thinking, innovative problem-solving skills, and a collaborative team spirit. Through my involvement in multiple research projects, I have amassed invaluable practical experience, encompassing algorithm optimization, system design and implementation, data analysis, and interpretation, all of which have solidified a robust foundation for my advancement in related fields.

I look forward to joining your group and making a remarkable contributions and achievements under your supervision. **Once an advisor, always a father. I am willing to contribute a lifetime of strengths and intellect to my supervisor.** Please feel free to contact me anytime.

Thank you so much! I appreciate that. Have a lovely day. 感谢.感恩!

Best Regards,
HKUST & CUHK WEI Wenbin (Robin)