方楠（硕士在读）

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24岁 男 汉族 中共党员
校招实习在寻 C++/Python/JavaScript/产品经理

技能证书

- **技能：** C/C++（★★）、Python（★★）、深度学习算法（★★）、JavaScript（★）、Linux（★）
- **语言：** 英语（CET-6）

教育经历

杭州电子科技大学 - 计算机科学与技术 硕士 计算机学院 2019.09 - 2022.06

- **主研方向：计算机视觉、图像艺术风格生成、生成对抗网络、深度学习、自监督学习、AI医学影像**
- **奖学金：**《杭州电子科技大学研究生奖学金》一等奖、《杭州电子科技大学研究生奖学金》二等奖
- **学科竞赛：**《第六届浙江省国际“互联网+”大学生创新创业大赛》省铜奖、《浙江省第十二届“挑战杯·宁波江北”大学生创业计划竞赛》省二等奖、《杭州市钱江新区首届大学生创新创业大赛》40强、《杭州电子科技大学“互联网+”大学生创新创业大赛》校一等奖 * 2、《杭州电子科技大学“挑战杯”大学生创业计划竞赛》校一等奖 * 3
- **基金项目：**《国家级大学生创新创业训练计划项目》、《浙江省教育厅一般科研项目》、《杭州电子科技大学大学生创新创业训练计划项目》、《杭州电子科技大学研究生科研创新基金》 * 2
- **发明专利：**《一种基于自监督学习的非配对人脸图像翻译方法》

杭州电子科技大学 - 计算机科学与技术 本科 计算机学院 2015.09 - 2019.06

- **主修课程：C/C++、数据结构、计算机组成原理、操作系统、计算机网络、数据库原理、编译原理、云计算、人工智能**
- **奖学金：**《杭州电子科技大学奖学金》一等奖、《杭州电子科技大学奖学金》三等奖 * 5、《杭州电子科技大学优秀团干部》、《杭州电子科技大学创新创业单项奖学金》
- **基金项目：**《国家级大学生创新创业训练计划项目》、《浙江省新苗人才计划项目》、《杭州电子科技大学电子信息学院芯苗人才计划项目》 * 4
- **软件著作：**《基于用户行为分析的智能家居节能系统》、《电器识别可视化系统》、《基于语音识别的智能老人看护系统》、《基于无线自组网协议的家电控制系统》

项目经历

智能制造AI机器人（浙江省教育厅一般科研项目） - 项目负责人 2020.05 - 2021.05

- 本项目采用 AI 图像风格迁移算法，对原始的人物肖像、风景等画像进行风格迁移，得到相应的可以进行快速稳定工业化加工的简笔画效果生成图；通过控制绘画机器人手臂的运动对生成图进行实际绘制。并借助自行开发的移动端小程序和桌面端网页，对结果进行展示和远程实时操作控制。
- 涉及 Pytorch AI 深度学习算法、C++ 机械臂路径规划算法、C++ STM32 芯片控制算法、React.js 网站前端开发。

基于用户行为分析的智能家居节能系统（国家级大学生创新创业训练计划项目） - 项目负责人 2017.05 - 2018.12

- 本项目主要使用 AI 预测算法实现对用户家电使用行为的预测，利用能源调度算法在保障用户舒适度的前提下，通过对电器运作状态的动态规划，有效提高能源的利用效率，减少用户的电力支出，达到节能的目的。
- 涉及 Pytorch AI 机器学习算法、C++ STM32 芯片控制算法、C++ 物联网网关协议、Python 树莓派控制算法。

社团和组织经历

- 校内创业团队《杭州荟视科技有限公司》创始人、技术总监
- 校电子信息学院《美国微芯Microchip大学生科技创新孵化器实验室》实验室负责人、软件组组长

方楠 Nan Fang (In the Master's)

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24 Male Han Population CPC Member
Student Internship In Seeking C++, Python, JavaScript, PM

SKILLS & CERTIFICATE

- **Skills:** C/C++ (☆☆), Python (☆☆), Deep Learning (☆☆), JavaScript (☆), Linux (☆)
- **Languages:** English (CET-6)

EDUCATION BACKGROUND

Hangzhou Dianzi University - Computer Science and Technology Master School of Computer Science 2019.09 - 2022.06

- **Main Research Directions: Computer Vision, Image Art Style Generation, Generative Adversarial Network, Deep Learning, Self-Supervised Learning, AI Medical Imaging**
- **Scholarships: The First Prize** of "Hangzhou Dianzi University Graduate Scholarship", **The Second Prize** of "Hangzhou Dianzi University Graduate Scholarship"
- **Academic Competitions: Provincial Bronze Award** of "The 6th Zhejiang International College Students' 'Internet+' Innovation and Entrepreneurship Competition", **Provincial Second Prize** of "The 12th Zhejiang Province College Students' 'Challenge Cup' Entrepreneurship Plan Competition", **2 * The First Prize** of "Hangzhou Dianzi University College Student 'Internet+' Innovation and Entrepreneurship Competition", **3 * The First Prize** of "Hangzhou Dianzi University College Students' "Challenge Cup" Entrepreneurship Plan Competition"
- **Fund Projects:** "National College Student Innovation and Entrepreneurship Training Program Project", "General Research Project of Zhejiang Provincial Department of Education", 2 * "Hangzhou Dianzi University Graduate Research and Innovation Fund"
- **Invention Patent:** "A method for unpaired face image translation based on self-supervised learning"

Hangzhou Dianzi University - Computer Science and Technology Bachelor School of Computer Science 2015.09 - 2019.06

- **Major Courses: C/C++, Data Structure, Computer Composition Principle, Operating System, Computer Network, Database Principle, Compilation Principle, Cloud Computing, Artificial Intelligence**
- **Scholarships:** "Outstanding League Cadres of Hangzhou Dianzi University", **The First Prize** of "Hangzhou Dianzi University Scholarship", **5 * The Third Prize** of "Hangzhou Dianzi University Scholarship", "Single Scholarship for Innovation and Entrepreneurship of Hangzhou Dianzi University"
- **Fund Projects:** "National College Student Innovation and Entrepreneurship Training Program Project", "Zhejiang New Miao Talents Program Project", 4 * "Hangzhou Dianzi University Core Miao Talents Program Project"
- **Software Copyrights:** "Smart Home Energy Saving System Based on User Behavior Analysis", "Electrical Appliance Recognition Visualization System", "Smart Elderly Care System Based on Voice Recognition", "Home Appliance Control System Based on Wireless Ad Hoc Network Protocol"

PROJECT EXPERIENCE

Intelligent Manufacturing AI Robot - Project Leader 2020.05 - 2021.05

- This project adopts the AI image style transfer algorithm to transfer the style of original portraits or landscapes to simple strokes, which can be quickly and stably industrialized; The generated diagrams are actually generated by controlling the movement of the painting robot arm draw. And with the help of self-developed mobile terminal applets and desktop web pages, the results can be displayed and real-time controlled in remote.
- It involves Pytorch AI deep learning algorithm, C++ robotic arm path planning algorithm, C++ STM32 chip control algorithm, React.js web front-end development.

Smart Home Energy-Saving System Based On User Behavior Analysis - Project Leader 2017.05 - 2018.12

- This project mainly uses AI prediction algorithm to predict the user's home appliance usage behavior. The energy scheduling algorithm is used to ensure the comfort of users through dynamic planning of the operation status of electrical appliances, which effectively improves the efficiency of energy utilization and reduces the user's electricity expenditure, achieving the purpose of energy saving.
- It involves Pytorch AI machine learning algorithm, C++ STM32 chip control algorithm, C++ IoT gateway protocol, Python Raspberry Pi control algorithm.

LEADERSHIP EXPERIENCE

- Founder and CTO of the school entrepreneurial team "Hangzhou Overvision Technology Co., Ltd."
- Head and Software Group Leader of the "'Microchip' University Student Technology Innovation Incubator Laboratory" of the College of Electronic And Information Engineering