

YI YU (BRUCE) LIU'S CV

PERSONAL DETAILS

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Email	yyubruceliu@gmail.com
Citizenship	Taiwan & South Africa
Residence	Student Residence Austria
Driver's Licence	Light Vehicle (Code B) – South Africa

KEY ACHIEVEMENTS

April 2020	Partial Scholarship award for a PhD program at <i>Modul University of Vienna</i> .
28 Apr 2016	Runner up for Top Research (Field: Text mining).
4 May 2016	Graduated BCom Informatics with Distinction (Cum Laude). Academic Colours at <i>University of Pretoria</i>
4 May 2016	Second runner up for Informatics at the final year of Bcom Informatics.
Jan 2016	Top Winner of Investec national code-jam competition <i>by outperforming all candidates from UCT, WITS, and two other Universities.</i>
	<u>The team leader of the following 3 Final Year Project awards:</u>
Nov 2015	First Overall project Award with 86.5%
Nov 2015	Best Documentation Award with 94%
Nov 2015	Most Innovative idea Award
	Breaking the record for receiving more than 2 awards for this module since 2011.
	Made it on “the Innovate” magazine in 2016 for the Project.
Nov 2015	Fulfilling entrepreneurial spirit, a friend, Christopher Park and I successfully registered a private company: <i>LiuPark (Pty) Ltd</i> .
8 Sept 2015	Gaining an audience's respect by presenting at the "Transforming Thoughts into Reality" conference at the UNISA Science Campus. Joined by the CEO of mLab SA as well as mLab's Entrepreneur in Residence to present on the subject matter, being "Mobile, money and development: Connecting the dots".
Mar 2014	First-year winner of the database project award (University of Pretoria). A friend, Christopher Park and I achieved this by being the FIRST to successfully implement an electronic student <u>TimeTable software</u> into the <i>University of Pretoria</i> with the following breakthroughs: <ol style="list-style-type: none">1. 5 000 downloads in the first year2. 10 000 downloads in the second year3. A 3-page article in “the Innovate” magazine in 20154. An article in the UP News post <i>Accomplished a program that generates 42 000 timetables in less than 10 seconds. It also provided a scale of flexibility for the students.</i>

CAREER SUMMARY

SOFTWARE DEVELOPMENT & STRATEGY

- Jan 2020 – Current** **Promoted:** Digital Strategist at *TypeDev Technologies*.
Integrating data science, user experience analysis and business development into one job title. Signed a new client within 6 months in Vienna. Managed Scrum team as Scrum master
- Nov 2018 – Jan 2020** UX / UI Developer at *TypeDev Technologies*.
Exceeding the client's expectation and gaining the complement "I paid nothing to get you productive" as well as "It's your fault for working so quickly".
- Jan 2017 – Dec 2017** Junior Developer at *Discovery Vitality Life*.
Developing in Java with Spring and Hibernate. Managing web services for the vitality system in the UK. Operating with the Linux servers.
- Oct 2014** Student Intern at *Pattern Matched Technologies (Pty) Ltd*.
Rotated through the following (gaining a full scope of their work procedure): Quality Assurance, Business Analyst, Project Manager and Developer

ENTREPRENEURSHIP

- Jan 2021 – Nov 2021** Entrepreneurial Tech Consultant at *TuksNovation*.
Extended automation capability. Established international collaboration with Vienna.
- Jan 2020 – Dec 2020** Entrepreneurial Support Officer at *TuksNovation*.
Strategized over 10 startups on the technology stack, risk assessment, product design. Operationalised internal Monday.com with automation.
- Jun 2018 – Dec 2018** IT Consultant at *TuksNovation*.
Leading the NGO business incubator to a successful start-up by establishing its IT operations.
- Dec 2015 – Jul 2016** Co-Founder and Director at *LiuPark (Pty) Ltd*.
Friend, Christopher Park, and I were leading a web and systems development company to success by settling 4 client contracts within 5 months. This company facilitated and centralised our various website and systems development projects. However, the company is currently kept dormant until we feel that it is needed.

LECTURING

- Jan 2018 – Dec 2019** **Promoted:** Lecturer at *University of Pretoria*.
Developing in-house plagiarism program to detect copying from homework
- Jan 2016 – Dec 2016** **Promoted:** Assistant Lecturer at *University of Pretoria* for the third year final year project (Informatics 370). Improved the students' knowledge concerning the importance of "networking" by holding a networking event. Extended the systems and business analysis knowledge of the students by consulting 15 unique groups with unique projects. Motivated the students to perform their best with the help of presentation and psychology knowledge.
- Jan 2015 – Dec 2015** Teacher's Assistant at the *University of Pretoria* for the second-year programming (Informatics 272). Enlightened the students with the capabilities of the knowledge that they will accumulate by the end of the year. As a team, we consistently finished all the markings of weekly homework assignments.

EDUCATION

Current	<u>PhD in Accelerating Startups</u> Doctorate at <i>Modul University of Vienna</i>
Sept 2019	<u>MCom Informatics</u> Master's Degree at the <i>University of Pretoria</i> .
Nov 2016	<u>BCom Hons in Informatics with Distinction (ABET Accredited).</u> Bachelor's in Honours at the <i>University Of Pretoria</i> . Research Topic Focus (Text Mining & Data Mining).
Nov 2015	<u>BCom in Informatics with Distinction (2nd Major: Business Management)</u> Bachelor's Degree at the <i>University Of Pretoria</i> .
Nov 2012	Grade 12/ <u>Matric</u> at <i>Pretoria Boys High School</i>

SKILLS

Expert/Specialist

- Artificial Intelligence, Machine Learning, Data Mining, Text Mining, Data Scrapping, Data Visualisation, RapidMiner, Rstudio
- Computer and Programming (C#, Delphi, HTML, Javascript, CSS, ASP.Net, Linq & Lambda, XML, JSON, Entity Framework, ReactJs, NodeJS, Angular 8, Flutter, Kendo UI)
- Problem Solving and Critical Thinking
- SQL and Database Management (MSSql, MongoDB)
- Microsoft Excel, PowerPoint, Word, Access, Visio, Project, Publisher
- Computer Hardware and Networks
- Communication, Public Speaking, Project management and Leadership
- UML (Entity Relational Modelling: ERD), IBM Rational Systems Architecture
- Logic and Algorithms
- UX Design and UX research
- Web design, User Interface Design, Web Development & Human-Computer Interface (HCI) Analysis, Bootstrap
- Business Analysis, Systems Analysis, Software Modelling, Process Designs and Information Systems Development
- Search Engine Optimisation (SEO)

Extensive

- E-Commerce, Persona Design
- Business Intelligence
- Teaching, Explaining and Coaching
- Research

Solid

- Sales and Marketing
- Translation

Recreational

- Image and Video Editing

LANGUAGES

Current	Good Command in <u>English</u> Well-spoken in <u>Chinese Mandarin</u> Beginner in <u>German</u>
Translation	Chinese Mandarin to English; English to Chinese Mandarin

ASSOCIATIONS

Jul 2014 - current	Golden Key Society (Member ID: 11954231)
Dec 2013 - current	Pretoria Boys High School Old Boys Association - Member
April 2016 - current	UP Consulting Society – Member

TALKS & PRESENTATIONS

Nov 2021	<u>Strategic Product Design</u> <i>Innovation Breakfast</i> , Talent Garden (Vienna, Austria)
Nov 2021	<u>Innovative Product Design</u> <i>Zero21 Accelerator Master Class</i> (Vienna, Austria)
Nov 2021	<u>Strategic Product Design</u> <i>South Africa Innovation Summit</i> (Online)
Sept 2021	<u>Map the digital journey of your business</u> (co-presented: Hanno van der Merwe) <i>South Africa Innovation Summit</i> (Cape Town, South Africa)
May 2020	<u>Digital Marketing and SEO</u> at (co-presented: Kelly Summerfield) <i>Launch Ready Master Class</i> , TuksNovation (Pretoria, South Africa)
March 2020	<u>Product Design</u> at (co-presented: Christi Auret) <i>Launch Ready Master Class</i> , TuksNovation (Pretoria, South Africa)
Sep 2015	<u>Time Table Assistant</u> (co-presented: Christopher Park) <i>Transforming Thoughts Into Reality</i> , UNISA (Pretoria, South Africa)

COMMUNITY

Mar 2014 – Apr 2014	taught the people in the Mamelodi Community, as a team, computer skills from knowing nothing about a computer through to enabling their ability to use the internet, make their own CV, operate their E-mails, Search for Jobs online, etc.
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INTERESTS AND HOBBIES

I have a great interest in the psychological cognition of people which causes me to enjoy communicating with people at a deeper level other than just small talk.

Chess is interesting because it can stimulate thinking in terms of the big picture as well as the small details of a situation at the same time.

Pokemon go has been a big hit since extroverts need extroverted activities.