

# YI YU (BRUCE) LIU'S CV

## PERSONAL DETAILS

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**Citizenship:** Taiwan & South Africa (9408095876088)  
**Location:** 8 Buffalo Avenue, Theresapark, Pretoria, Gauteng (South Africa)  
**Driver's Licence:** Light Vehicle (Code B)

## KEY ACHIEVEMENTS

**28 Apr 2016** Runner up for Top Research (Field: **Text mining**).

**4 May 2016** Graduated BCom Informatics with Distinction (**Cum Laude**).  
Academic Colours at *University of Pretoria*

**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 *by outperforming all candidates from UCT, WITS, and two other Universities.*

**Nov 2015** **The team leader** of the following 3 Final Year Project awards:  
**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: *LiuPark (Pty) Ltd.* Website: [liupark.co.za](http://liupark.co.za)

**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 TimeTable software into the *University of Pretoria* with the following breakthroughs:

1. **5 000 downloads** in the first year
2. **10 000 downloads** in the second year
3. A 3-page article in "the Innovate" magazine in 2015
4. An article in the UP News post

*Accomplished a program that generates 42 000 timetables in less than 10 seconds. It also provided a scale of flexibility for the students.*

## CAREER SUMMARY

- Nov 2018 – Current**    UX / UI Developer at *TypeDev Consulting*.  
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 2018 – Current**    Junior Lecturer at *University of Pretoria*.  
Developing in-house plagiarism program to detect copying from homework
- Jun 2018 – Dec 2018**    IT Consultant at *TuksNovation*.  
Leading the NGO business incubator to a successful start-up by establishing their IT sectors.
- 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.
- 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.
- Jan 2012 – Current**    Part-Time Admin Clerk for an entrepreneurial start-up that delivers *Eve Tea* bags and Aloe drinks. Managed to update their invoice system from written to excel based. Busy trying to update their system to be automated by a computer program. Successfully managed reconciliation statements to companies and supplier order communications. Learned to have time management skills.
- Jan 2016 – Dec 2016**    Assistant Lecturer at *University of Pretoria* for the third year final year project (Informatics 370). A colleague, Sean Steenkamp, and I took the initiative to improve the students' knowledge with regard to the importance of "networking" by holding a networking event. Spent extra voluntary time to extend the systems and business analysis knowledge of the students for their year project by providing consultation for 15 completely different groups and their 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 *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.
- Jan 2013 – Apr 2013**    Chess Coach at *Pretoria High School for Girls*. Innovating the coaching progress which resulted in a more interactive class of students. Gained consistent attendance from the girls because it was entertaining.
- 6 - 10 Oct 2014**        Job Shadowing at *Pattern Matched Technologies (Pty) Ltd*. I shadowed the following gaining a full scope of their work procedure:
1. IT Support with Database Management
  2. Business Analyst with System Analyst
  3. IT Architecture
  4. Quality Assurance with testing units

## EDUCATION

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

## SKILLS

### Expert/Specialist

- Problem Solving and Critical Thinking
- Computer and Programming (C#, Delphi, HTML, Javascript, CSS, ASP.Net, Linq & Lambda, XML, JSON, Entity Framework)
- SQL and Database Management
- 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
- 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)
- Research

### Extensive

- E-Commerce, Persona Design
- Data Mining, Text Mining and Business Intelligence
- Teaching, Explaining and Coaching

### Solid

- Sales and Marketing
- Translation

### Recreational

- Image and Video Editing

## LANGUAGES

<b>Current</b>	Good Command in <u>English</u> Well-spoken in <u>Chinese Mandarin</u>
<b>Previous</b>	<u>Afrikaans</u> – Read, Write (Taken up till Matric)
<b>Translation</b>	Chinese Mandarin to English; English to Chinese Mandarin

## ASSOCIATIONS

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

## WEBSITES

Websites designed and developed including Search Engine Optimisation:

[careerapptizer.co.za](http://careerapptizer.co.za)

[autosense.co.za](http://autosense.co.za)

[chylls.co.za](http://chylls.co.za)

[gigongforhealth.co.za](http://gigongforhealth.co.za)

[techtion.co.za](http://techtion.co.za)

[katiso-engineering.co.za](http://katiso-engineering.co.za)

## PROJECTS

**Feb 2015 – Mar 2016** As part of my INF 370-year project, myself and a group of students developed a full-scale mobile application and data mining service (known as the Career App.Tizer) for the Department of Education Innovation at the University of Pretoria. This app allows high school students to register and then fill in a career-guidance survey which will then give them the results relating to possible careers as well as Tuks courses for those careers. The results of the students will then be aggregated and analysed in the back-end of the system for the purpose of focusing the university's efforts where needed.

The app was rolled out in early 2016 at [careerapptizer.co.za](http://careerapptizer.co.za)

Reference: Dr. JC Lemmens - [Juanclaude.Lemmens@up.ac.za](mailto:Juanclaude.Lemmens@up.ac.za)

**Jul 2013 – Current** My team members and I built a program called "Chylls TimeTable Assistant" which generates all possible timetables for the students automatically. Using this program, the students can choose from a variety of generated timetable options, rather than having to struggle with the conventional paper-based system. This program won us the "First-year winning informatics database project award for 2013" and has had ten thousand downloads.

The Facebook page: [facebook.com/TimeTableAssistant](https://facebook.com/TimeTableAssistant)

## 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.

## 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 the 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.