Asher **Lim**

UNDERGRADUATE COMPUTER SCIENCE STUDENT

3 Dudley Street, VIC 3145, Melbourne, Australia

☐ (+61) 449-024-733 | ✉ asher.lzrz@gmail.com | 🏠 asherlzr.com | asherLZR | asherLZR

"For a moment, nothing happened. Then, after a second or so, nothing continued to happen."

Education

Monash University — *Victoria, Australia*
BACHELOR OF COMPUTER SCIENCE — *Jul. 2017 - PRESENT (Grad. Jun. 2020)*
- WAM, High Distinction Average.
- Received the Information Technology International Merit Scholarship, 2017.
- Relevant subjects: FIT3077 Software Architecture and Design (92), FIT3155 Advanced Data Structures and Algorithms (94).

Temasek Polytechnic — *Singapore*
DIPLOMA IN FINANCIAL BUSINESS INFORMATICS — *2012 - 2015*
- Cumulative GPA, 3.90.
- Diploma Plus programme with 4 electives in the field of Psychology Studies.
- Awarded the Thompson Reuters Asia Course Silver Medal, 2015 for good overall academic performance.
- Temasek Polytechnic Scholarship, 2012 – 2015.
- Director's List, School of Informatics and IT, 2012 – 2014.

Skills & Technologies

Languages **Intermediate Competency**, Python, Java, Git

Basic Knowledge, JavaScript, TypeScript, SQL, Haskell, C, Linux

Experience

Alex Solutions, Intelligent Tagging Team — *Victoria, Australia*
STUDENT DEVELOPER — *Jan. 2020 – PRESENT*
- Peformed software development and quality assurance roles for Alex, a metadata managment system.
- My team uses machine learning to classify metadata into appropriate business concepts, subsequently used as overlay to enhance information presented to users about their data assets. Worked with Java, Python, React, Neo4j, and automated testing tools.

Monash University — *Victoria, Australia*
TEACHING ASSOCIATE — *Jul. 2019 – Dec. 2020*
- Tutor for FIT1045 Introduction to programming fundamentals in Python. The subject introduces basic algorithms, data structures, problem-solving paradigms, and algorithm analysis.

Monash University — *Victoria, Australia*
CHIEF INVESTIGATOR, CURIE UNDERGRADUATE RESEARCH FELLOW — *Aug. 2019 – PRESENT*
- Conducting research exploring the viability of student-led pro bono IT services for small non-profit organisations.
- Competitively selected and awarded $2800 by the Centre for Undergraduate Research Initiatives and Excellence (CURIE) to carry out the project.

Singapore Armed Forces — *Singapore*
PLATOON COMMANDER, SIGNAL OFFICER — *Jul. 2016 – May. 2017*
- Oversaw the day-to-day operations of a platoon in a high-readiness battalion, planning and conducting operations and training exercises. The company handled maintenance and cybersecurity for a core Army backbone network.
- Created lesson plans and materials on network fundamentals for the company induction programme. This addressed the problem of lost knowledge and expertise in a company with high turnover rate.

GIC Pte Ltd, Technology Department *Singapore*

IT Analyst, Intern *Sep. 2014 – Feb. 2015*

- Designed and developed a version control program and process in shell for source code deployment and code version integrity of clients and servers of the investment management system deployed worldwide.
- Proposed and prototyped Splunk dashboards for real-time analysis and alert notifications on server health.

Projects

Perspective *Victoria, Australia*

Hackamon 2019, Second Place Winners *Apr. 2019*

- While it is well-known that the best way to learn is through teaching, this is a severely underutilised mode of learning. We addressed this by proposing a video learning website, made with Node.js and Vue.js, where the students are the content providers.
- Complementing traditional peer-to-peer learning methods like tutorials and forum posts, Perspective was online and encouraged teaching as another form of validating understanding of content.

Meta *Victoria, Australia*

Unihack 2019 *Mar. 2019*

- To address the siloing of content by major online news curators, built a news archival website which performed NLP and analytics on user-read articles collected by a browser extension. The website was envisioned to be used as a reflective tool for users to engage with their personal reading history, outside the influence of recommendation engines.
- Built in 24hrs with a team of 5. It was my first experience leading a tech team and building a live website from scratch.
- In a crash course, learnt technologies such as MongoDB, Heroku, React, and Express.js.

Extracurricular Activity

Monash University Faculty of IT Peer Mentor Programme *Victoria, Australia*

Peer Mentor *Jun. 2018 - Jun. 2019*

- Led orientation activities, helped with monthly events for first-year IT students, and provided general support for academic help and adjustment to university life.

Singapore Association of Monash *Victoria, Australia*

Sub-Committee, Events and Logistics *Oct. 2017 - Jun. 2019*

- Initiated a mentorship programme for first-year students from Singapore to soften the transition of moving to a new environment for studies. Assisted with the running of various on-campus club events.

Temasek Polytechnic Stargazers (Astronomy Club) *Singapore*

President *2014 - 2015*

- Worked with a lecturer to propose the establishment of the club and secured $10,000 worth of funding for the first astronomy club at Temasek Polytechnic. Formed a team to organise events and built working relationships with other astronomy clubs in Singapore.

Honours & Awards

2018	**4th Place**, FIT2004 Algorithms and Data Structures, Unit Level Programming Competition	*Victoria, Australia*
2018	**Top scorer**, FIT1008 Introduction to Computer Science	*Victoria, Australia*
2015	**CCA Merit Award (Leadership)**, Temasek Polytechnic Enactus	*Singapore*
2013 & 14	**National Champions**, Asia Pacific Junior Achievement Company of the Year Competition	*Singapore*
2013	**Runner-up (4th-6th)**, SMU (Singapore Management University) InnovateIT Competition	*Singapore*

Accreditation

2018	**Mental Health First Aider**, Mental Health First Aid Australia	*Victoria, Australia*

Casual Employment and Volunteering

Coding Bootcamp, Faculty of IT, Monash University *Victoria, Australia*

Tutor *Jul. 2018 & Jul. 2019*

- Trained new undergraduate IT faculty students in basic programming concepts in Python.