

Asher Lim

UNDERGRADUATE COMPUTER SCIENCE STUDENT

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“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.

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, HTML, JavaScript, TypeScript, SQL, Haskell

Experience

Singapore Armed Forces

Singapore

PLATOON COMMANDER, SIGNAL OFFICER

Jul. 2016 – May. 2017

- Oversaw the day-to-day operations of a Systems & Applications platoon in a high-readiness battalion. The company dealt with the maintenance of and cyber security threats posed to a core Army backbone network.
- Planned and conducted battalion/company level training exercises.
- 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.
- In Officer Cadet School, wrote and presented a paper with my section on the military doctrine of network-centrism, which won a company-level award for best research.

GIC Pte Ltd, Technology Department

Singapore

IT ANALYST, INTERN

Sep. 2014 – Feb. 2015

- Designed and developed a version control program and process in Powershell 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. Such a contract benefits both uploaders and viewers. At its core, Perspective was cross-disciplinary as such videos may be extended to viewers across all faculties.

Z-Algorithm Visualised

Victoria, Australia

PERSONAL PROJECT

Apr. 2019

- To better understand web technologies (especially Vue.js), created a **simple visualisation** of Gusfield's Z-Algorithm.

Meta

Victoria, Australia

UNI HACK 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 - PRESENT

- 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 - PRESENT

- 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.

Temasek Polytechnic Enactus (Social Entrepreneurship Club)

Singapore

HONORARY SECRETARY AND PROJECT LEADER

2013 - 2015

- Prepared discussion items and minutes for executive committee meetings.
- Worked with SAMH (Singapore Association for Mental Health) to sell art and handicraft made by residents recovering from mental health illnesses.

Honours & Awards

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| 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 JA Company of the Year Competition | Singapore |
| 2013 | Runner-up (4th-6th) , SMU (Singapore Management University) InnovateIT Competition | Singapore |
| 2012 | Bronze Honour Roll , YMCA Plain English (Public) Speaking 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

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

Homestay Hanoi

Hanoi, Vietnam

ENGLISH TEACHER

Jan. 2018

- Taught beginner-level English classes for young adults as a stay-in tutor.