# Asher **Lim**

GRADUATE FULL-STACK DEVELOPER

*Melbourne, Victoria, Australia*

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

## **Edu**cation

**Monash University**                                                                                                       *Victoria, Australia*

BACHELOR OF COMPUTER SCIENCE                                                                              *Jul. 2017 - Jul. 2020*

- Cumulative GPA, 4.0. WAM, 87.
- Dean's Achievement Award Undergraduate, 2020.
- Information Technology IBL (Internship) Placement Scholarship, 2020.
- 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.

## **Ski**lls & Technologies

Languages     **Intermediate Competency**,  Javascript & Typescript (incl. React, Vue), Java, Python

                        **Basic Knowledge**,  SQL, Android, Haskell, C, Linux

## **Exp**erience

**Alex Solutions**                                                                                                             *Victoria, Australia*

JUNIOR DEVELOPER, FULL-TIME                                                                                    *Jan. 2020 – PRESENT*

- Full-stack development for Alex, a metadata management system which helps our clients visualise and govern the data assets within their IT infrastructure.
- Built front-end components with Typescript, React hooks, and Redux, and server-side functionality in Java. Also performed technical support for client tickets and quality assurance roles.
- Worked with Javascript, Java, Neo4j, Elasticsearch, and TDD with automated testing tools like Jest and JUnit. Have small amount of experience with Jenkins and Docker deployment.

**Monash University**                                                                                                          *Victoria, Australia*

TEACHING ASSOCIATE                                                                                                   *Jul. 2019 – Dec. 2019*

- Tutor for FIT1045 Introduction to programming fundamentals in Python. The subject introduces basic algorithms, data structures, problem-solving paradigms, and algorithm analysis.

**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

**Pro brono IT services for NPOs**                                           *Victoria, Australia*

Chief Investigator, CURIE Undergraduate Research Fellow                       *Aug. 2019 – Jan. 2020*

- 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.

**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.

# 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

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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 Junior Achievement Company of the Year Competition | *Singapore* |
| 2013 | **Runner-up (4th-6th)**, SMU (Singapore Management University) InnovateIT Competition | *Singapore* |

# Accreditation

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|---|---|---|
| 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.