

# Michael Dao

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## Education - [Royal Melbourne Institute of Technology \(RMIT\) University](#)

- **Bachelor of Software Engineering (BP096)** 2017 - 2020 (expected)
    - **GPA:** 3.2 / 4.0RMIT Academic transcript as of 3rd August 2018 [here](#)
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## Experience

- **ANZ Bank - Software Engineer / Cloud Engineer** 2/2019 - Present
    - Enhanced CI pipelines in GCP with a versioning tool in **Go** & Google Cloud Storage libraries
    - Provisioned infrastructure with **terraform** (IaaS) scripts for non production GCP projects
    - Created custom **docker** images that works with company proxies & registries for pipelines
    - Contributed to an internal open source decimal 64 library for Golang that follows the IEEE 754 - 2008 standard
  - **HIVE Rocket Team - Flight Systems** 2/2019 - 6/2019
    - Parsed telecommunication packet data into **KML** for flight trajectory visualization in **python**
    - Prepared the inertial measurement unit in **c++** to relieve acceleration restrictions (4g to 16g)
  - **Mystr - Co Founder / Software Engineer** 7/2018 - 2/2019
    - Gathered requirements & pitched plans to the MCG (Spotless) with guidance from investors
    - Implemented **SMS** texting compatibility with **Twilio** for our **Express.js** & a **MongoDB** backend
  - **Other relevant experience**
    - **RMIT - QA Tester** - Manual testing & Automated testing with **Selenium** 7/2018 - 1/2019
    - **Ohm Power - Front End Intern** - Worked on frontend website with html & css 6/2018 - 11/2018
    - **CSIT Mentors - Student Mentor** - Taught students **Java, C** & coding practices 2/2018 - 7/2018
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## Projects & Hackathons

- **Facebook Hackathon 2019** - Worked on a **React JS** webapp that utilizes '**wrld3d**' to bring life to an interactive map where 'adventurers' go on 'quests' to find lost pets from the community.
  - **UNI HACK 2019** - Came **7th** out of 40 teams with a **raspberry Pi** that recognizes different recyclables with a web camera. Retrained **Google ML** with a stanford dataset and pictures of random trash.
  - **SBC #HackTheCity 2018** - Came **2nd**, winning **\$1000** & the "**Most Promising Startup**" award. Solved pain point for a general manager with our shift management app built in **Node.js** & **React-Native**.
  - **RMIT IoT/AR Hackathon 2018** - Came **2nd**, winning **\$4000** & the "**Most Innovative Solution**" award. Solved training pain point, with an intelligent training module that integrates **Vuforia Augmented Reality**.
  - **RMIT ITS Hackathon 2018** - Came **2nd**, winning **\$2000** & **recruitment into RMIT** with a live streaming webapp that encourages student collaboration in lectures. Used **Node.js** sockets for the chatroom MVP.
  - **Other projects**
    - **Self-driving car - Arduino** car with Proximity sensor avoids obstacles as it drives forward
    - **Geo Tweet map** - Analysed tweets and pinpointed their location on **Google Maps** with **python**
    - **Multiplayer Monster** - Applied **Dijkstra's** algorithm to the AI in a multiplayer **Java** game
    - **Invoice Generator** - Created a **VB.net** program with **XML** for a courier business during high school
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## Skills

- **Languages:** Java, C, Python, Go, VB.net, JavaScript, HTML5, CSS, PHP, SQL, Bash
- **Other:** Node.js, React, Redux, XML, JSON, MongoDB, Express, Flask, GCP, AWS, Git, Terraform, Docker.