

# Michael Dao

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## Education - Royal Melbourne Institute of Technology (RMIT)

- **Bachelor of Computer Science - BP094** 02/2017 - 07/2017
    - ◆ GPA: 4.0 / 4.0 (before credit transfer)
  - **Bachelor of Software Engineering - BP096** 07/2017 - 12/2020
    - ◆ GPA: 3.3 / 4.0
  - Across both computing subjects (BP094 & BP096) - (GPA: 3.65 / 4.0) & (WAM: 78.75%)
  - RMIT Academic transcript as of 3rd August 2018 [here](#).
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## Experience

- **[Ohm Power](#) - Front End Developer** 06/2018 - Present
    - ◆ Collaborated on projects with **Git** for version control with other developers when overhauling the existing website into a **Keystone JS** CMS with new redesigns of **UX** centered wireframes.
    - ◆ Redesigned google adwords campaign with **HTML5** and **CSS** for keyframe animations that attracted higher click/conversion rates.
  - **CSIT Mentoring program - Student Mentor** 02/2018 - 06/2018
    - ◆ Acted as a volunteer mentor where computer science & IT students can drop in for consulting.
    - ◆ Enhanced the learning experience of fellow students with **Java** and **C** for programming assignments, as well as **HTML5**, **CSS**, **JavaScript**, and **PHP** for web assignments.
    - ◆ Mentored 4 recurring students as I watched them develop and adopt my skills such as test driven development with **Java JUnit** for testing and breakpoints for debugging.
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## Projects and Achievements

- **[RMIT ITS Hackathon](#) - 2nd place / 13 Teams - \$2000 AUD prize** 08/2018
    - ◆ 24 hour hackathon tackling "flipped perspectives" organized by ITS and CSIT society.
    - ◆ Designed the proof of concept, a live stream and chat room web application for students in lectures, developed the prototype with **Node.Js** websockets for chat functionality.
  - **[RMIT IoT+AR Hackathon 2018](#) - 2nd place / 8 Teams - \$4000 AUD prize** 08/2018
    - ◆ Worked closely with [LendLease](#) to solve, "How do we leverage knowledge between staff?"
    - ◆ Designed a smart document manager with **Vuforia Augmented Reality** built in for interactivity.
    - ◆ Developed the web application with **Bootstrap 4** for the frontend, **PHP** for the backend, also hacked together an **Android SDK app** for our webview and demonstration.
      - **Rewarded the "Most Innovative Solution" award by [Hendry Group](#)**
  - **[SBC #HackTheCity 2018](#) - 2nd place / 18 Teams - \$1000 AUD prize** 09/2018
    - ◆ 24 hour event for students, employees from [Downer](#) & [Spotless](#) design a smarter melbourne.
    - ◆ Solved a pain point, "Companies spend millions on contractors or new recruits for major events"
    - ◆ Applied **design thinking** and **lean canvas** to develop a smart shift manager in the **React-Native** framework with **Node.Js**, practiced the **Kanban Agile** methodology in our team of 7.
      - **Rewarded the "Most Promising Startup" award by [Startupbootcamp](#)**
  - **Personal projects**
    - ◆ [Self driving car](#) - Proximity sensor and Arduino with **C++** code can avoid obstacles as it moves.
    - ◆ [Genetic AI Maze](#) - Smart dots learn how to navigate around a maze, visualised in **Processing**.
    - ◆ [Google Images Scraper](#) - **Python** script that automates image downloads from a google search.
    - ◆ [Guess Who AI](#) - Simulated two AI players to compete against each other in a **Java** game.
    - ◆ [Multiplayer Monster](#) - Implemented Dijkstra's algorithm for the AI in this **Java** group project.
    - ◆ [Invoice Generator](#) - **Visual Basic** program made for a courier business in high school.
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**Skills Languages:** Java, Python, C, Visual Basic, HTML5, CSS, TypeScript, JavaScript, PHP, SQL, Processing.

*Last updated 12/9/2018*

→ **Other:** Node.js, BootStrap 4, ReactJs, React-Native, Redux, SASS, Keystone JS, Git/Version Control, Agile (Kanban/Scrum), Linux.