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.

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**
  - ◆ *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.*

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.*

Skills

- ➔ ***Languages:*** *Java, Python, C, Visual Basic, HTML5, CSS, TypeScript, JavaScript, PHP, SQL, Processing.*
- ➔ ***Other:*** *Node.js, BootStrap 4, ReactJs, React-Native, Redux, SASS, Keystone JS, Git/Version Control, Agile (Kanban/Scrum), Linux.*