Michael Dao

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

- **Bachelor of Computer Science -** *BP094*   **2/2017 - 7/2017**
    - *GPA: 4.0 / 4.0 (before credit transfer)*

- **Bachelor of Software Engineering -** *BP096*   **7/2017 - 12/2020**
    - *GPA: 3.3 / 4.0 (not incl. BP094)*
    RMIT Academic transcript as of 3rd August 2018 here.

Experience

- **Ohm Power - Front End Developer**   **6/2018 - Present**
    - *Collaborated with other developers to redesign and overhaul the existing website with a new UX centered design into **Keystone JS,** a Content Management System that uses the **MVC pattern**.*
    - *Redesigned old ads with **HTML5** and **CSS** keyframes to support animations, has produced higher click/conversion rates for Google AdWords.*

- **CSIT Mentoring program - Mentor**   **2/2018 - 6/2018**
    - *Enhanced learning experience of fellow students with **Java, C, SQL** for assignments, as well as **HTML5, CSS, JavaScript,** and **PHP** for web projects.*
    - *Mentored 8 recurring students, taught them vital programming skills such as **Junit**, breakpoints, and good coding practices such as commenting or refactoring.*

Projects

- **SBC #HackTheCity - 2nd place / 18 teams - $1000 cash prize**   **9/2018**
    - *Solved pain point, "Millions are spent on new recruits & contractors for major events", with **design thinking** and **lean canvas** to ideate the solution, an uber inspired shift swapper.*
    - *Used **Node.Js** and **React-Native** for basic functionality on our mobile app, practiced the **Kanban Agile** methodology in our team of 7 for a smooth project workflow.*
        - ***Rewarded "Most Promising Startup" by Startupbootcamp***

- **RMIT IoT+AR Hackathon - 2nd place / 8 teams - $4000 cash prize**   **8/2018**
    - Worked with *LendLease* to solve their problem with "leveraging knowledge between staff", our solution is a document manager users contribute to with **Vuforia AR** added for interactivity.
    - *Worked with **Bootstrap 4** for styling, **PHP** for the document generator & user comments. Enhanced live demonstration of MVP with an **Android SDK app** as a wrapper.*
        - ***Rewarded "Most Innovative Solution" by Hendry Group***

- **RMIT ITS Hackathon - 2nd place / 13 teams - $2000 cash prize**   **8/2018**
    - *24-hour hackathon for "flipped perspectives", our proof of concept is a twitch inspired chat room for student collaboration in lectures. Chat room achieved with **Node.js** WebSockets.*

- **Other projects**
    - *Self-driving car - Car with Proximity sensor & Arduino in **C++** avoids obstacles as it drives.*
    - *Genetic AI Maze - Smart dots learn how to navigate around a maze, visualised in **Processing**.*
    - *Guess Who AI - AI players compete against each other in a **Java** Guess who game**.***
    - *Multiplayer Monster - Implemented Dijkstra's algorithm for the AI in a **Java** multiplayer project**.***
    - *Google Images Scraper - **Python** script automates image downloads from a google search.*
    - *Invoice Generator - **Visual Basic** record system made for a courier business in high school.*
    - *React Shopping - Implemented Paypal with **Node.js** in **ReactJS,** with **SCRUM** weekly sprints.*

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.*