# 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)*
  - *Average across computing subjects - **GPA**: 3.65 / 4.0 **WAM**: 78.75% - BP094 & BP096*
- RMIT Academic transcript as of 3rd August 2018 here.

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## Experience

- **Ohm Power - Front End Developer**                                          **6/2018 - Present**
  - *Designed, coded and modified the website according to client specifications.*
  - *Collaborated with other developers to overhaul website into **Keystone JS**, with **MVC** pattern.*
  - *Designed new ads with **HTML5** and **CSS** keyframes that 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, as well as good coding practices such as commenting or refactoring.*

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## Projects

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

- **RMIT IoT+AR Hackathon 2018 - 2nd place / 10 teams - $4000 cash prize**
  - Worked with *LendLease* to solve their problem with "leveraging knowledge between staff", solution is a document manager users contribute to with **Vuforia AR** for extra interactivity.
  - Made an **Android SDK app** with **Bootstrap 4** and **PHP** to generate documents & user comments.
    - ***Rewarded "Most Innovative Solution" by Hendry Group***

- **RMIT ITS Hackathon 2018 - 2nd place / 13 teams - $2000 cash prize**
  - *24-hour hackathon for "flipped perspectives", 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** - Dots learn how to navigate around a maze, visualised in **Processing.***
  - ***Guess Who AI** - AI players battle each other in a **Java** Guess who game**.***
  - ***Multiplayer Monster** - Implemented Dijkstra's algorithm for the AI in a **Java** multiplayer project**.***
  - ***Image Scraper** - **Python** script downloads images from a google search automatically.*
  - ***Invoice Generator** - **Visual Basic** digital records with **XML** saving made for a courier business.*
  - ***Shop Cart -** Implemented Paypal with **Node.js** in **ReactJS,** practiced weekly **Scrum** sprints.*

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## Skills

- ***Languages:*** *Java, Python, C/C++, C#, VB.net, HTML5, CSS, JavaScript, Processing, PHP, MySQL.*
- ***Other:*** *Node.js, BootStrap 4, React/Native, Redux, Angular, Keystone JS, Git, Agile (Kanban/Scrum), Linux/Unix, XML, JSON.*