

# Ji Kim

Full-Stack Developer



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Melbourne, Australia



<https://github.com/jkim333>



## EDUCATION

### Diploma of Information Technology

Coder Academy

Aug 21' – Present

- Fast Track Coding Boot Camp
- Subjects to be completed: Introduction to Web, Foundation Programming, Programming I, Information Systems, Database Systems, Discrete Mathematics, Programming II, Introduction to Software Engineering

### Graduate Certificate of Data Analytics

Deakin University

Jul 20' – Feb 21'

- Subjects completed: Real World Analytics, Analytics for Security and Privacy, Foundation Skills in Data Analysis, Research and Development in Information Technology

### Bachelor of Engineering (Civil)

### Bachelor of Commerce

Monash University

Mar 12' – Jun 17'

- First Class Honours | WAM: 80



## LANGUAGES

English



Native

Korean



Native



## SOFTWARE SKILLS

Python

JavaScript

React

CSS

HTML

SQL

Amazon Web Services

Microsoft Excel



## REFEREES

Ajay Chettri

WSP | Senior Transport Modeler  
Planning and Mobility  
+61 414 846 793

Jeremy Yuen

WSP | Transport Engineer  
Planning and Mobility  
+61 401 096 439



## EXPERIENCE

### WSP | Melbourne

#### Transport Engineer – Planning and Mobility

Jun 19' – Aug 21'

##### Responsibilities

- Forecasted strategic future traffic demand and changes in trip patterns on major road and public transport infrastructure projects through CUBE modelling software
- Analysed and interpreted transport modelling results for transport planners and traffic engineers
- Transformed, cleansed and manipulated large quantities of complex transport datasets using Python
- Developed Python scripts to automate repetitive data processing tasks commonly performed across team leading to time efficiencies
- Developed a web application using Python to create and publish modelling results in interactive dashboard to clients. This led to improvement in the presentation of modelling results and a time saving of three days for every transport modelling project
- Organised and facilitated national knowledge-sharing meetings

##### Projects

##### Suburban Rail Loop

WSP was engaged as a technical advisor to the Department of Transport in developing plans for the Suburban Rail Loop project. I was responsible for analysing transport modelling results and interpreting modelling outputs to transport planners and engineers.

##### Greater Hobart Urban Travel Demand Model (GHUTDM) Update

GHUTDM is a transport model used by the Tasmanian State Government to plan future transport projects in Hobart. I worked in a team of modellers to re-calibrate and update the model, which involved a series of data analysis and validating the model based on statistics.

#### Graduate Transport Engineer – Planning and Mobility

Jul 17' – Jun 19'

##### Responsibilities

- Assisted transport modellers forecast traffic demand and trip patterns of major road and public transport infrastructure projects
- Prepared data inputs and reports to transport models and reviewed transport modelling outputs
- Prepared traffic survey plans by liaising with traffic survey subconsultants

##### Projects

##### Level Crossing Removal

Responsible for developing a network intersection model to analyse the traffic impacts of proposed road closure of Centre Road at the level crossing. Provided a report advice recommending diversion routes and potential mitigation measures.

##### Network Impact Management Plan

Assisting transport modellers on investigating and informing the Department of Transport on the network-wide impacts of various road and public transport construction projects across Melbourne.