Hyun Shim

New Zealand Citizen | +61 431 111 498 | hhyunshim@gmail.com

EDUCATION

Monash University, double degree | **Expected Graduation Date:** July 2021
Bachelor of Computer Science | **Bachelor of Engineering (Honours)**
Major in Advanced Computer Science | *Specialising in Software Engineering*

SKILLS

Languages

Python	JavaScript	TypeScript
Haskell	PL/SQL	NoSQL
Java	C/C++	HTML/CSS

Technologies

React	Node.js	Git
Redux	Flask	Linux
Vue	Express	

EXPERIENCE

Deloitte | Melbourne, Australia
Front-end Developer Intern — November 2019 - December 2019
> Took charge in developing multiple components for a client portal using **Vue** integrated with **Drupal**.
> Actively took part in the discussion and implementation of **algorithm** optimisation required for the data used in the portal.

DW Education Agency | Melbourne, Australia
Freelance Software Developer — September 2019 - November 2019
> Developed and managed an internal management system using **Node.js**, **React**, and **PL/SQL** which managed student and partnered institute information. Performed a complete transition from Excel documents to a full stack application.
> Created scripts using **Python** to automate tasks that were repetitive to accompany the agency's increasing customer base.

Monash eSolutions | Melbourne, Australia
Junior Software Developer — January 2018 - May 2019
> Developed a web application as a team of 5 using **Spring Boot** and **React** within a sudden 6 week deadline preventing the company from outsourcing the solution and allowed the project to be completed on time.
> Created scripts using **Python** and **Bash** to automate tasks on multiple instances of Virtual Machines on a network.

MK Pty. Ltd. | Melbourne, Australia
Freelance Software Developer — November 2017 - January 2018
> Developed a portal for staff members using **Node.js**, **React**, and **NoSQL** to handle automatic reservation validity checks, reservation confirmation message delivery, and data analytics on customers (used to auto-generate weekly rosters for staff).
> Created a customer-facing website using **React** with online table reservation functionality integrated with the portal. Approximately 40 to 50 reservations were made per week on average.

PROJECTS

University Course Planner
React, Spring Boot — **Start Date:** August 2018
> Interactive course map to help create personalised course plans for Monash University supported by Monash University.
> Web application provided to approximately 20,000 new students every year with an on-going increasing user base.
> Course plan creation integrated with the university's API to prepopulate course data.
> Main role was developing the front-end as well as the API integration between the front-end and back-end endpoints.

Study Buddy
React, Flask, MongoDB — **Start Date:** April 2018
> Platform for Monash University students to connect with other students online including automatic moderation of chat to prevent collusion and plagiarism within the chat.
> Main role was creating the back-end for the web application and chat as well as creating components for the front-end.

Crypto Trading Bot
Python, Selenium, AWS — **Start Date:** January 2018
> Personal project that involved creating a crypto trading bot that automatically makes real-time profitable transactions whenever possible based on a couple of algorithms including some personal ideas.
> Methods include penny-pinching, arbitraging, and a few algorithms that I wrote which used Moving Average and RSI to predict the market.

COMPETITIONS

Jane Street ETC
1st Place in Electronic Trading Challenge — 10th of March 2018
> First place with a team of 3 including myself against 8 other teams for a prize of $1023 per person.
> Created a trading bot using **Python** in a day-long competition that competed with the other teams inside a simulated market using penny-pinching, arbitraging, moving average, and ETF.