

EDUCATION

Adelaide, SA	University of Adelaide	2017-present
<ul style="list-style-type: none">Bachelor of Computer Science (Advanced), expected graduation Nov 2019 + Honours (Nov 2020). GPA: 6.143/7HD courses: Web and Database Computing, Algorithm and Data Structures Analysis		

EMPLOYMENT

Software Engineer, Intern	Sine	Summer 2018/2019
<ul style="list-style-type: none">Workplace SaaS, working with the core product team using agile methodologies - Full Stack (AngularJS/Node.js)Developed new feature which enabled visitors to check-in faster with autofill suggestions<ul style="list-style-type: none">RESTful API endpoints with unit tests, setting up the controller, service, and persistence/data logicModified dropdown directive to allow site admins to choose exactly which sites to broadcast a message to, instead of all/oneRefactored AngularJS component for the activity feed, increasing code readability and reducing technical debtCreated Python script to receive output from the serial port of our building's access control system<ul style="list-style-type: none">New proof of concept for the company: the script could hit any API endpoint on Sine Core. Check-ins/check-outs with Slack notifications were made purely by scanning an access card for a door		

PROJECTS

-
- Containerised Personal Website.** *Docker, Google Kubernetes Engine (Google Cloud), CircleCI*
 - Continuous Integration and Deployment: Each time a push is made to the GitHub repository, a new build is automatically deployed through CircleCI and the website is updated if successful
 - Using Docker images of the static website and Nginx Apache server which run in containers managed by a Kubernetes workload
 - Cluster autoscaling node pool based on workload demands
 - Exposed to the internet using NodePort type Ingress service on GKE
 - Pomodoro Timer.** iOS app acting as a visual representation of the pomodoro technique. *Swift*
 - Enforces better study habits, especially during exam time – increased my GPA, allowing me to transfer into the advanced degree
 - “Placeholder”.** Web app created for a hotel booking site. *JavaScript, Node.js, HTML, CSS*
 - Major project for Web and Database Computing, collaborated with two other group members resulting in a High Distinction grade, integrated with Google Maps API and OpenID login
 - Volatility of Cryptocurrency.** Web app acting as an interface for dynamic visualisations. *Python*
 - Project for Grand Challenges in Computer Science, investigating the viability of cryptocurrency as a fiat money in the economic market
 - Visualisations made using the Pygal API with Flask in the backend

LANGUAGES AND TECHNOLOGIES

-
- C++, JavaScript, AngularJS, Node.js, Python, Swift
 - Docker, PostgreSQL, Sequelize, Bash, Subversion, Git, jQuery, HTML, CSS

VOLUNTEERING

-
- Big Day In** (April 2018). IT careers conference held by the Australian Computer Society (ACS) foundation.