

EDUCATION

Adelaide, SA	University of Adelaide	2017-present
<ul style="list-style-type: none">Bachelor of Computer Science (Advanced), expected graduation November 2020. GPA: 6.143/7		

EMPLOYMENT

Software Engineer, Intern	Sine	Summer 2018/2019
<ul style="list-style-type: none">Workplace SaaS, visitor management with over 10 million check-ins and counting, working with the core product team using agile methodologies (JIRA/Bitbucket/Trello) - Full Stack (AngularJS/Node.js)Modified existing dropdown directive to allow site administrators 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 debt while maintaining consistent behaviourDeveloped RESTful API endpoints with unit tests, setting up the controller, service, and persistence/data logic for a brand-new feature on the iPad client which enabled visitors with invitations to check-in faster using autofill suggestionsCreated 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 and check-outs with Slack notifications were made purely by scanning an access card for a doorSet up new API endpoint for further development of the project		

TECHNICAL EXPERIENCE

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
- "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

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

VOLUNTEERING

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