

Education

Adelaide **University of Adelaide** **March 2017 | November 2020**

- Bachelor of Computer Science (Advanced) (Honours), **GPA:** 6.188/7

Work Experience

Software Engineer Intern **Telstra** **November 2019 – February 2020**

Sydney

- Automated the migration of all 37 Payments team microservice images from the expiring V1 registry to V2 through scripting calls to a Bamboo build plan, enabling other teams to do the same
- Optimised local PyTest framework to enable developers to complete more tasks in a shorter amount of time, increasing sprint output and efficiency
- Created new Proof of Concept for the Payments team: switching from Rancher to AWS EKS (Elastic Kubernetes Service) with Fargate: set up new clusters with existing microservices

Software Engineer Intern **Sine** **December 2018 – March 2019**

Adelaide

- Developed new feature which enabled visitors to check-in faster with autofill suggestions
- Modified dropdown directive to allow site admins to choose exactly which sites to broadcast a message to, instead of all/one
- Refactored AngularJS component for the activity feed, increasing code readability and reducing technical debt
- Created Python script to receive output from the serial port of our building's access control system: check-ins/check-outs with Slack notifications were made purely by scanning an access card

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”** (JavaScript, Node.js, HTML, CSS)
 - Fully functional web application created for a hotel booking site
 - Major project for the course Web and Database Computing, collaborated with two other group members resulting in a High Distinction grade, integrated with Google Maps API and OpenID login

Languages and Technologies

- Java, Python, C++, JavaScript, Node.js, AngularJS
- Docker, Kubernetes, AWS, Google Cloud, SQL, Bash, Git, HTML, CSS