

Website:
andy-yu.com

ANDY YU

0415070699
andy.yu2k@gmail.com

EDUCATION

Adelaide, SA	University of Adelaide	2017-present
---------------------	-------------------------------	---------------------

- Bachelor of Computer Science (Advanced), expected graduation November 2020. GPA: 6.143/7

EMPLOYMENT

Software Engineer, Intern	Sine	Summer 2018/2019
----------------------------------	-------------	-------------------------

- Workplace SaaS, working with the core product team using agile methodologies (JIRA/Bitbucket/Trello)
- Development and testing of systems that utilize JavaScript – AngularJS (client) and Node.js (API)
- Created Python script to receive output from the serial port of our building's access control system
 - 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 door
 - Set up new RESTful API endpoint (including service and persistence layer) for further development of the project

TECHNICAL EXPERIENCE

Projects

- Containerized Personal Website.** Docker, Google Kubernetes Engine, CircleCI
 - Continuous Integration and Deployment: Each time a push is made to the GitHub repository, a new build is automatically deployed through CircleCI
 - Set up Docker images of the static website and Nginx Apache server which run in containers managed by a Kubernetes workload
 - Exposed to the internet using NodePort type Ingress service on GKE
- Pomodoro Timer.** Interactive and visual representation of a time management method. Swift
 - An iOS app that comes especially helpful around exam season, utilizing this studying technique has increased my focus and GPA which allowed 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 with OpenID login
- Volatility of Cryptocurrency.** Web app acting as an interface for dynamic visualizations. Python
 - Project for Grand Challenges in Computer Science, investigating the viability of cryptocurrency as a fiat money in the economic market
 - Visualizations made using the Pygal API with Flask in the backend

LANGUAGES AND TECHNOLOGIES

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

VOLUNTEERING/SOFT SKILLS

-
- Big Day In** (April 2018). IT careers conference held by the Australian Computer Society (ACS) foundation. Tasks involved ushering students and teachers, set up of the event, and clean up