Website:
andy-yu.com

ANDY YU

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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
    – Personally struggled with studying for exams, utilizing this iOS app 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