

Website:  
[yu-andy.github.io](http://yu-andy.github.io)

# ANDY YU

0415070699  
andy.yu2k@gmail.com

## EDUCATION

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

## EMPLOYMENT

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<b>Software Engineer, Intern</b>	<b>Sine</b>	<b>Summer 2018/2019</b>
<ul style="list-style-type: none"><li>Workplace SaaS, working with the core product team</li><li>Development and testing of systems that utilize JavaScript – AngularJS (client) and Node.js (API)</li><li>Wrote a Python script to receive output from the serial port of our building's access control system<ul style="list-style-type: none"><li>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</li><li>Set up new API endpoint (including service and persistence layer) for further development of the project</li></ul></li></ul>		

## TECHNICAL EXPERIENCE

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### Projects

- 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
  - Method has been adopted in pair programming contexts
- "Placeholder".** Web application 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
  - OpenID login system
- Volatility of Cryptocurrency.** Web application acting as an interface for dynamic visualizations. Python (Flask)
  - Project for Grand Challenges in Computer Science, investigating the viability of cryptocurrency as a fiat money in the economic market
  - Visualizations made with the Pygal API
  - Hosted on Heroku, a PaaS cloud application

## LANGUAGES AND TECHNOLOGIES

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

## VOLUNTEERING/SOFT SKILLS

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- 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.

## ADDITIONAL EXPERIENCE AND AWARDS

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- Faculty Award in English. Highest achiever in my Year 12 class.