

# Andy Yu

andy-yu.com

Email : andy.yu2k@gmail.com

Mobile : +61 415070699

## EDUCATION

---

- **University of Adelaide** Adelaide, SA  
*Bachelor of Computer Science (Advanced) (Honours); GPA: 6.2/7* *Mar. 2017 – Nov. 2020*

## EXPERIENCE

---

- **University of Adelaide** Adelaide, SA  
*Tutor* *Mar. 2020 - Present*
  - **Web and Database Computing:** Running tutorials, practical and workshop supervisor, marking assignments and exams
- **Telstra** Sydney, NSW  
*Software Engineer Intern* *Nov. 2019 - Feb. 2020*
  - **Automation:** Migrated 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
  - **Optimisation:** Developed a feature for our local PyTest framework enabling devs to complete more tasks in a shorter amount of time, increasing sprint output and efficiency by 30%
  - **AWS EKS (Elastic Kubernetes Service) with Fargate:** Set up new clusters with existing microservices for upcoming migration
- **Sine** Adelaide, SA  
*Software Engineer Intern* *Dec. 2019 - Mar. 2020*
  - **Autofill Suggestions:** Developed new feature which enabled visitors to check-in 75% faster with autofill suggestions
  - **Selective Dropdown:** Modified dropdown directive to allow site admins to choose exactly which sites to broadcast a message to, instead of all/one
  - **Refactored:** Multiple AngularJS components, increasing code readability and reducing technical debt
  - **New Proof of Concept:** 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:** Autoscaling node pools based on workload demands while pushes to the GitHub repository automatically update the website through a CircleCI build (Docker, Google Kubernetes Engine (Google Cloud), CircleCI)
- **QuickDefine:** Natural Language Processing (NLP) pipeline, creates concise definitions of CS concepts (Python)
- **ATOM Feed:** Distributed client/server system which aggregates and distributes ATOM feeds (Java)
- **"Placeholder":** 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 (JavaScript, Node.js, HTML, CSS)
- **Pomodoro Timer:** iOS application written in Swift, aims to boost productivity through visualising the Pomodoro study method (Swift)

## PROGRAMMING SKILLS

---

- **Languages:** Python, Java, C++, JavaScript, Node.js, AngularJS, Swift
- **Technologies:** Docker, Kubernetes, AWS, Google Cloud, SQL, Unix, Bash, Git, HTML, CSS

## VOLUNTEERING

---

- **Big Day In:** Held by ACS Foundation at the University of Adelaide, this event exposes high school students to the tech and IT industry. Tasks included guiding/ushering teachers and students, set up of the event and clean up