SAM JACOBS

Sydney, NSW, Australia

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EDUCATION

University of Sydney   *2018 - 2021*
Bachelor of Advanced Computing (Honours)
Majoring in Computer Science

Killara High School   *2011 - 2016*
ATAR: 97.4

EXPERIENCE

Software Intern, Signify Dynalite (Philips Lighting)   *2019-2020*
Worked with stakeholders to develop solutions to restoring an outdated touch panel editor. Involved automating the conversion process of outdated web pages to HTML5 using Javascript and Gulp.

Programming Teacher, University of Sydney   *2019-Present*
Teaching INFO1110 Introduction to Programming (Python) and INFO1112 Computing 1B OS & Network Platofrms (Bash, Python). Running three weekly classes of 15-30 students as well as one-on-one workshops.

Health Promotion Consultant, NSLHD   *2016-Present*
Working in a team of well trained 15-24 year old youths, the team consults with departments across the local health district to improve youth health outcomes and campaigns concerning young people.

Freelance Work and Projects   *Ongoing*
https://samjacobs.me/   Github pages website, previously hosted on a Raspberry Pi
http://youthsource.com.au/   Currently designing updates
http://www.phelpsreid.com.au/   Updates and changes

TECHNICAL SKILLS

- Python
- C
- Java
- SQL
- Javascript
- HTML
- CSS
- Bash
- Lisp
- Linux
- Bootstrap
- Gulp
- Data Structures
- Algorithm Design
- Concurrency
- Security

VOLUNTEERING

Humanitarian Engineering Fieldwork, Myanmar   *2020*
Working with an NGO based in Yangon, Myanmar to develop solutions to storing potable water in slum areas of the city.

Programming Mentor, University of Sydney   *2019*
Assisted students in Introduction to Programming and Object Oriented Programming as part of the USYD Mentor Programme.

Engineers Without Borders, Australia   *2019-Present*
Travelling around regional NSW to deliver humanitarian engineering seminars. Participating in single and multi-day humanitarian engineering conventions.