

## Education

- **University of New South Wales** 2017–Current
  - *Bachelor of Science (Computer Science)*
    - High Distinction Average
    - Career WAM: 92.9
- **Sydney Boys High School** 2011–2016
  - *High School*

## Projects

- **COMP1917 Mentor** 2017
  - *University of New South Wales*
    - Developed replacement software to test projects for UNSW’s COMP1917.
    - Implemented “minion” to run tests and return test results to the server.
- **libinput** 2016–2017
  - *Free/Open Source Software*
    - libinput is a library to handle input devices in Wayland compositors and a X.Org driver.
    - Implemented switch interface and feature to disable touchpads when laptop lid is closed.
    - Mentored by maintainer, Peter Hutterer.
- **National Computer Science School (NCSS)** 2016
  - NCSS is a 10-day summer school in programming and web development for talented high school students.
  - Developed a social networking website to introduce lesser known places to a wider audience.
  - Designed and wrote database schema and backend and a map view using OpenStreetMap.
- **Software Design and Development** 2015–2016
  - *Higher School Certificate*
    - Designed and wrote an application to facilitate management of an athletics program.
    - Intended to replace legacy non-integrated applications currently in use.
- **COMP1917 Project** 2015
  - *University of New South Wales*
    - Implemented a game similar to *Settlers of Catan*.
    - Implementation, unit tests and AI player automatically tested in daily rounds.
- **Information and Software Technology** 2014
  - *High School*
    - Designed, built and programmed a vehicle using a LEGO MindStorms robotics kit.
    - Vehicle searches for and reverse parallel parks into spaces, while obeying road rules and avoiding collisions.

## Volunteering

- **Mentor - HS1917** 2016–2017
  - Mentored high school students taking COMP1917

## Awards and Achievements

Atlassian COMP1927 Prize	2017
CSIRO Data61 Undergraduate Research Scholarship	2017
UNSW Programming Competition 4th Place	2016
NCSS Challenge Advanced Perfect Score	2014–2016
ICAS Science Competition Medallist	2015
Grok Learning Security Hall of Fame	2015
Australian Informatics Olympiad Bronze Medal	2015

## Skills

**Programming Languages:** Proficient: Python (6 years experience), C (3 years experience)  
Known: Java, JavaScript, Visual Basic.NET

**Other Languages:**  $\text{\LaTeX}$ , HTML, CSS, Markdown

**Operating systems:** GNU/Linux, UNIX-like command line interface

**Miscellaneous:** Software configuration and management, troubleshooting and debugging, problem solving, team skills, soldering

## Interests

**Sports:** Fencing

**Computers:** Configuring computer systems, Free software movement, computer hardware

**Music:** Piano (AMEB Certificate of Performance)

**Other:** Rocketry, spaceflight

Compiled December 11, 2017