

# Tom Kunc

## CONTACT

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## EDUCATION

### UNIVERSITY OF NEW SOUTH WALES

4TH YEAR, BS IN  
COMPUTER SCIENCE  
Feb 2018 - Current | Sydney, NSW  
WAM: 79.8  
Expected Graduation: December 2022  
(after Hons.)

### SYDNEY GRAMMAR SCHOOL

Grad. Dec 2017 | Sydney, NSW

## SKILLS

### PROGRAMMING

Experienced  
Python • C • HTML/CSS  
Javascript • Shell

Familiar:

LaTeX • SQL • Ruby [on Rails]  
Haskell • MIPS • Java • Rust

### OTHER TECHNOLOGIES

Git • Linux • Django • Flask • Vue.js  
GDB • Valgrind • Python Pandas  
Vim + Evil Emacs

### NON-TECHNICAL

Public Speaking • Debating

### QUALIFICATIONS

Mental Health First Aid  
Senior First Aid

## REFERENCES

Available on request.

## COURSEWORK

4th Year Computer Science student, currently interested in the intersection of Teaching and Computer Science. Areas in which my degree has specialized include:

- Software Design (COMP2041: Software Construction)
- Informal Methods and Computing Theory (COMP3161: Theory of Programming Languages, COMP6721: Informal Methods)
- Operating Systems (COMP3891: Extended OS)
- Security (COMP6841: Security Engineering)

## WORK & VOLUNTEERING

### UNSW | TUTOR & COURSE ADMINISTRATOR

June 2018 – Present | Sydney, NSW

- Tutored introductory Computer Science (UNSW's COMP1511) and datastructures/algorithms (UNSW's COMP2521) in C; both to classrooms and individuals; with an overall student satisfaction rate of 5.96/6.
- Administrated UNSW's introductory Computer Science course (COMP1511), including managing server infrastructure and designing and writing three assignments and five exams.
- Managed 80+ person drop-in sessions for new students, ensuring hundreds of students were given personalised tutoring for their software assignments.
- Coordinated the movement of multiple courses to online teaching during COVID, causing above-average student reviews about moving teaching online.

### KINESIS | DEVELOPER

Jan 2018 - June 2020 (Part-Time) | Sydney, NSW

- Built and maintained a data-processing service in Python, which recognised over 200 different formats of resource usage reporting; to give companies insights into their environmental impact.
- Improved deployment infrastructure for a micro-services architecture, to achieve better overall system visibility and control.

### UNSW CSESOC | Co-DIRECTOR, PROJECTS; THEN GRIEVANCE OFFICER

Jan 2019 – Dec 2020 | Sydney, NSW

- Managed a team of over 40 students, running up-skilling sessions and managing infrastructure, with 2 projects now regularly used by UNSW students.
- Authored grievance policies and assisted in designing events (including an overnight camp), to ensure inclusion and participant safety.

### AUSTRALIAN DEBATING COUNCIL | SECRETARY; THEN PRESIDENT

Mar 2019 – September 2020; September 2020 - Present | Sydney, NSW

- Co-Authored a constitution, in order to create a legally incorporated society.
- Organised two online debating tournaments with up to 300 participants each.

## PROJECTS

### UNSW HOPPER | CREATOR (USES PYTHON AND JAVASCRIPT)

Created tool for use by students to manage large (60+ student) help sessions. This involved implementing python's flask over CGI; creating a front-end in Vue.js; and then deploying and managing the app over two years.

### VALHALLA & MEMTOOLS | CREATOR (USES PYTHON, BASH AND C)

Created a set of tools designed to make difficult to use debugging tools more usable by new computing students, by presenting a more intuitive user interface, and making error messages more clear and helpful.