

ALBERT CHOW

PROFILE

My passion for innovation and technology drives me to seek situations where I'm constantly learning. Whether that's a new language, framework or hardware, or a new environment with different people, I'm always up for a challenge. I love opportunities to use my skills in programming and engineering to build practical systems.

EXPERIENCE

Atlassian

Sydney, Australia

Nov 2023 - Feb 2024

Software Development Intern

- Developed a service that runs on Python/Kubernetes to integrate the backend Analytics Platform with data discovery
- Built a service to replicate metadata from Atlassian's internal datalake to a data streaming service
- Produced documentation for the development and usage of the service and integration

Python Kubernetes Software Development Teamwork Integration Documentation

Monash University

Melbourne, Australia

July 2021 - Present

Teaching Associate

- Tutored subjects on numerical analysis, engineering design and programming; Matlab, Python, MIPS, algorithms, data structures, numerical methods, dynamics, circuits and project design
- Taught tutorials, labs, and lectures in class sizes up to 200, including presenting worked examples and assisting students programming, analysis and design tasks
- Conducted code interviews and marking reports for individual and group assignments
- Developed content for a new unit in the form of notes and videos

Python Matlab MIPS Algorithms Engineering Mathematics Teaching

Summer Research Intern

Nov 2021 - Feb 2022

- Programmed a robotic arm in Python/ROS to collaboratively build domino lines with a human
- Studying trust development and repair between humans and robots in collaborative tasks

Python ROS Robotics Research Psychology

Monash Motorsport

Monash University

Apr 2020 - Jul 2021

Electrical Systems Engineer

- Development of an autonomous electric racing vehicle for Formula Student Competitions
- Designed, manufactured and tested a system to deliver high voltage power throughout the car; tested and calibrated an inverter to control a permanent magnet synchronous motor
- Co-ordinated work in a team of over 100 people to ensure smooth integration with other parts

Electrical Engineering Automotives Manufacturing Siemens NX Teamwork Integration

Senior Advisor

Mar 2021 - Jun 2021

- Advisor to new recruits; organising and running activities for the recruits
- Teaching various skills, ranging from manufacturing skills to Solidworks to electrical theory
- Managing and marking Junior Projects for the recruits' university design subject

Teaching Electrical Engineering Solidworks

- 0468 841 302
- abhchow@gmail.com
- linkedin.com/in/abhchow
- Melbourne, Australia

EDUCATION

Bachelor of Engineering (Hons) and Bachelor of Science:

Monash University (2018 - 2024) Specialised in Mechatronics Engineering Majors in Mathematics & Computational Science

Certificate III in Laboratory Skills (MSL30109):

Box Hill Institute (2015 - 2016)

CERTIFICATIONS

- Monash Industry Skills | Chisholm Institute (2021)
- Certified Solidworks Associate (CSWA) (2020)
- Working With Children Check (2020)

SKILLS

Programming & Coding:

Python, MATLAB, Javascript, Typescript, MIPS, C, Git, CLI

Manufacturing & Engineering:

Machining, 3D Printing, Electronics

CAD & Design Software:

Solidworks, Siemens NX, Ultimaker Cura

Soft Skills:

Teaching, Teamwork, Integration, Documentation

INTERESTS

- Beatboxing Music
- Swimming Cycling
- Electronics Gardening