Cooper Wolfden

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EDUCATION

Flinders University

Adelaide, Australia 2019 - 2023

Bachelor of Engineering (Electrical and Electronic) (Honours) - Thesis: Performance Augmentation using Biosignals

- Chancellor's Letter of Commendation (2020) - President of Flinders Motorsport (2021–2022)
- Research publication:

Wolfden, C and Zanj, A 2023, 'Development of a semi-automated undervine slasher',

Wine & Viticulture Journal, vol. 38, no. 1, pp. 61-66.

link: https://winetitles.com.au/wvj/articles/wine-viticulture-journal-volume-38-no-1-2023/

viticulture-development-of-a-semiautomated-undervine-slasher/

WORK EXPERIENCE

Adelaide Convention Centre

Adelaide, Australia 2018-Current

Audio Visual Technician

- Technical setup of event according to client specifications
- Troubleshooting issues between complex interconnecting systems, thinking in terms of signal flow, quickly identifying positions of faults
- Professional client communication and problem resolution
- Operation of speciality equipment during event
 - such as audio mixers, lighting controllers, vision switchers, etc.
- Following WHS in high-risk areas and around forklifts, scissor lifts, etc.
- Maintaining professional working relationships regardless of external pressures

Flinders University

Adelaide, Australia 2022 - 2023

Student Ambassador

- Maintaining professional demeanour while speaking to general public
- Communicating effectively with wide range of people from different backgrounds

SKILLS

- Programs: Altium, Inventor, KiCad, ROS, LabVIEW, MATLAB, Simulink, MPLAB X, STMCubeIDE, Arduino
- Languages: Python, C, C++, JavaScript, LATEX, Rust
- Concepts: Linux (Usage and Shell Scripting), Version Control, Build Systems, Assembly, Computer Architecture, Cloud Computing, Power Systems, SCADA, PLC Ladder Programming, Renewable Energy Systems, Analog Design, Embedded Systems

PROJECTS

Server-less application for synchronising spreadsheet roster to calendar using Google Cloud Platform

2019

- Written in Javascript
- Using App Engine
- Using gmail webhook that only runs when roster email is received

Rust application for filtering pricing information from RS Components for low cost rapid prototyping

2022

- Written in Rust
- Takes command line arguments and generates RS components search url
- Receives webpage and filters html to build objects from each search result
- Adds results to database, allowing advanced searches with custom filtering

2022
2022
2023
Ongoing
Ongoing
Ongoing