Wilson Wu

Full-Time Student

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CAREER SUMMARY

Highly motivated final year Computer Engineering (Honours)/Commerce student at the University of New South Wales who offers:

- ❖ Deep interest in integrated circuit design, leading edge hardware, internet of things and algorithmithic trading
- ❖ Highly developed problem solving and analytical skills garnered through coursework and honours thesis
- ❖ Strong communication skills to liaise with a diverse range of stakeholders, gained through a continuance of team sports, part time sales and technical support work

EDUCATION

Bachelors of Engineering (Honours)/Commerce   2018 – Present

University of New South Wales (WAM: Credit Average)

- ❖ Relevant Course Distinctions: Programming Fundamentals, Intro into Business Databases, Engineering Design 1, Engineering Design 2, Analogue Electronics, Operating Systems, Computer Networks & Applications, Design Project B, Internet of Things, Professional Issues and Ethics
- ❖ Honours Thesis: Stochastic Computing for Fault Tolerant Systems (Distinction)

RELEVANT PROJECTS

UNSW Design Project A – FPGA Multimedia Control Box   2020

Lead a team in developing a multimedia control box (consisting of a Field-Programmable Gate Array (FPGA), breadboard circuit and PC connection) which controlled a software multimedia player through television remote inputs.

UNSW Design Project B – Accelerating Compute-Intensive Software using FPGAs   2021

Partnered to develop an accelerated file compression algorithm in reconfigurable hardware. Despite the sequential nature of the compression algorithm, we achieved ~11X increased speed compared to the unoptimised implementation.

UNSW Computer Architecture Course   2021

Collaborated in a team to develop a processor capable of executing a combination of commands from an 11 instruction set architecture. The processor ensured data integrity against soft errors and malicious attacks from an external network.

WORK EXPERIENCE

Australian Electoral Commison – Sydney, NSW

Data Entry Operator   May 2022 – June 2022

- ❖ Demonstated the ability to work quickly when entering voters' preferences, with meticulous attention to detail. Was awarded 2nd place (out of 34) in these metrics, averaging ~800 ballots/hr with a ~99% keystroke accuracy
- ❖ Thrived in a high pressure, confidential environment. Communicated effectively with supervisors and independent scrutineers to escalate issues and ensure that they were appropriately resolved

Recompute – Sydney, NSW

Technical Sales & Support Assistant   Mar 2019 – Jun 2021

- ❖ Administrated (consisting of generating, sending and approving) ~40 invoices and quotes daily
- ❖ Managed customer cases by effectively prioritising and resolving issues within target turnaround times
- ❖ Communicated sincerely and transparently when providing specialised technical sales advice to customers
- ❖ Demonstrated agile problem solving skills through troubleshooting hardware and software issues in real time