# Christian Ilagan

## Computer Science Graduate

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⌗ https://github.com/cmilagan

🌐 https://cmilagan.github.io/web/

## Experience

### Software Engineering Intern — 2021 Dec - 2022 May
Toshiba l Sydney

- Developed tests in Python to improve testing coverage and quality.
- Implemented features in JavaScript as part of the applications .NET framework improve user experience through plugins of printing drivers.
- Participated in product release packaging to clients, understanding the process of deploying code to be utilised and accessed by clients.
- Prepared and read documentation for new implementations for the plugins ported and new technology.

### Software Team Member — 2021 Feb - 2021 Dec
StimPact | UNSW Sydney

- Developed user-friendly & intuitive software for researchers of neural stimulation to easily interpret.
- Developed a wirelessly controlled neural stimulator, working with firmware. Working with Microcontrollers, Microprocessors in C.
- Worked in a multidisciplinary team of software, electrical and mechatronic engineers to formulate an end to end working solution for the neural stimulator.
- Operated in a small sub team of 3, including 2 other software developers to improve the efficiency and power consumption of the previous years model.

## Volunteer Experience

### IT Team member — 2022 Feb - 2022 Dec
UNSW Finance and Banking Society

- Maintained and managed the Finsoc website, adding new pages and features using Wordpress, PHP and CSS.
- Worked within a team of 8 creating fun and practical projects to engage members of Finsoc, including discord bots allowing members to play small games.
- Lead and managed a small sub-team for workshop presentation on HTML/CSS. Presenting introductory content to web development

### Media Subcommittee — 2022 Feb - 2022 Dec
UNSW Data Society

- Created a variety of media content including videos, newsletters, blogs and events to increase DataSoc's student outreach and showcase what DataSoc is about.
- Worked within a team of 5 to push forward new initiatives/ideas to improve interaction with students.
- Engaged and conducted interviews with a diverse range of people including that of professional consultants and students from UNSW to understand the future prospects of Data Science and potential pathways.

### Marketing and Media Subcommittee — 2021 Feb - 2021 Dec
UNSW Data Society

- Designed visually appealing banners for multiple society events, maximising traction and advertising to large student group.
- Worked collaboratively within a small portfolio of 5, conducting weekly meetings to discuss the outcomes and next steps to promote the society.

## Skills

**Programming Languages**
Python, Java, C, Javascript, HTML, CSS, SQL, Shell Scripting (incl. Bash), Perl

**Libraries and Frameworks**
ReactJS, Flask, Django

**Tools and Platform**
Linux, Git

## Projects

**Blue Space Rentals**
ReactJS & Django
Scrum master and full stack developer for project focusing on providing and hosting car park spaces

**AirBrB**
ReactJS & Material UI
Developed AirBnB replica with all core functionality on the frontend

**Messaging App RESTful API**
Python (Flask)
Developed a flask RESTful API backend and an exhaustive test suite for a messaging app

**Motify**
ReactJS & Styled Components
Developed a chrome extension for reminder notifications on your browser

## Education

**University of New South Wales**
BS Computer Science
Feb 2020 - Expected Dec 2022

98 | Data structures and Algorithms
88 | Algorithms & Programming Tech
85 | Computer Systems Fundamentals
85 | Programming Fundamentals
83 | Web Front-End Programming