

Luke Fisk-Lennon

CS Student & Casual Academic at UNSW

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Experience

University of New South Wales

Sep 2020 – Present

Casual Academic

- Assistant tutor for classes of 10-20; explaining technical concepts and marking lab work
- Software Engineering Fundamentals (COMP1531): teaching Git and Python
- Computer Systems Fundamentals (COMP1521): teaching C, Assembly, and OS concepts

Tanksmith.io (links: [deployed on web](#), [deployed on mobile](#), [source & more details](#))

May 2018 – Present

Creator & Developer

- A real-time multiplayer web game with 2+ million total players and 100+ thousand app downloads
- Using JavaScript, HTML5 Canvas, CSS, C++, WebSocket networking, and Box2D physics
- Custom binary serialisation and client-side linear interpolation to optimise network bandwidth usage
- Load balancer running in Node.js with IP geolocation, and tools to support automated scalability

Education

University of New South Wales

Feb 2020 – Dec 2023

BSc (Computer Science), Distinction Grade

Projects

UNSW Computer Science & Engineering Society (links: [deployed on web](#), [source](#))

Apr 2020 – Feb 2022

Team Lead & Member (Projects Subcommittee)

- Led Notangles (a team of 8), working on a timetabling tool used by 4+ thousand UNSW students
- Taught React & TypeScript/JavaScript to the team via workshops and pair programming
- Created a performant drag-and-drop DOM implementation which interfaces with the React layer

SYNCS Hack 2021 (links: [details on Devpost](#), [source](#))

Aug 2021

Participant

- Worked in a hackathon team of 6 on Ephemerald, a location-based social networking app
- Achieved Finalist & Best Pitch after two days of collaboration to deliver a working product
- Used Geofencing, OpenStreetMap, WebSockets, React, and TypeScript/JavaScript

UNSW Security Society

Mar 2022 – Present

Projects Director

- Co-leading a team of 10, to develop the society's websites, CTF infrastructure, and other projects

Extracurricular

UNSW Queer Students in STEM (links: [deployed on web](#), [source](#))

Nov 2021 – Present

Vice President of Marketing

- Working in a team of 9 executives on website development, graphic design, and social media marketing

UNSW FIRST Competitive Robotics Team

2017 – 2020

Software Mentor

- Outreach programs where I taught robotics and programming to high school students

University of New South Wales

Feb – May 2018

Software Mentor

- Mentor for HS1917, the high school equivalent of Programming Fundamentals (COMP1511)