

I am a Front-End Developer with a passion for crafting engaging human-computer interactions. My expertise lies in user interface implementation, and I have also independently developed server-side functionality for personal projects. My undergraduate education in interface design and development has instilled in me a commitment to human-centred design principles. Colleagues often describe me as a dynamic worker who is happiest when playing a guitar in cafes.

Skills

- **Languages** - HTML, CSS, Javascript, Python, C++, PHP, Java (Android Studio)
- **Libraries** - Typescript, ReactJs, NextJs, P5Js, NodeJs, EJS
- **Database Managers** - SQL, MongoDB
- **Software** - Figma, Wordpress, Wix, Webflow, Android Studio, VS Code

Projects

March 2023 VibeCheck (Lead Developer)

- Developed an android game that asks users to secretly pick a song each and then guess who picked what
 - Implemented the interface and backend functionality on Android Studio
 - Used the Spotify API to access a large database of songs for info and playback
 - Designed on a single device that is passed around in order to meet project deadlines

March 2023 FaceFlute (Personal Project)

- Developed an online music generator that lets users create music in real time using facial expressions
 - Integrated face-api.js to determine facial expressions
 - Mapped expressions to musical notes using Tone.js.
 - Intended to help people with impairments make music without an instrument

November 2022 SpaceBall (Front End Lead Developer)

- Built a physical pinball machine powered by an Arduino with a digital interface styled like an X-wing cockpit
 - Developed a digital interface which reacts to live sensor data
 - Developed a digital port of the machine using Typescript, P5.js for graphics, Matter.js for simulated physics and React Js for the website wrapper

Volunteer Work

September 2014 English College Dubai (Python Instructor)

- Organized an after-school club and tuition service on behalf of the IT department
 - Created and taught a 10 week program
 - Taught basic Oop in Python 3 and 2.7

Achievements

- Opened for Alicia Keys and Eric Clapton in 2013 and 2014 respectively
- Achieved over 80,000 streams for self-produced music on Soundcloud

Education

- **2018-2023** - Bsc in Interactive Arts and Technology from *Simon Fraser University*
- **2023** - React - The Complete Guide 2024 (incl. React Router & Redux) by *Maximilian Schwarzmüller*
- **2022** - The Complete 2023 Web Development Bootcamp by *Dr. Angela Yu*