

Technical Skills

- JavaScript/TypeScript (React, Node.js), Python (Django), C++, Git, Heroku, Scheme, L^AT_EX.

Experience

- **BioRender** Toronto, Canada
Software Developer Jan. 2020 - May 2020
 - Improved the premium user experience by implementing features such as gradient shape fill, icon brushes, and better canvas resizing, using **React**, **TypeScript**, and **Fabric.js**.
 - Added many dynamic shapes (polygons, stars, arrows, brackets, etc.) into the canvas editor, reducing the need for basic static icons that users cannot customize.
 - Led the development of a major priority for the company (details undisclosed).
- **Secret Mission Software** Toronto, Canada
Software Developer May 2019 - Aug. 2019
 - Built and integrated features using **React**, **Django**, and **PostgreSQL**, including floor plan editing, XML generation, and push notifications, for the Findspace client.
 - Developed SDKs to automate company workflows using **Express** and **MongoDB**.
 - Automated the migration of old client data, reducing the time spent per migration by ~33%.
- **Greatwall Ledlight Co. LTD** Hong Kong
Software Developer June 2018 - Aug. 2018
 - Developed an internal system with **Django** to streamline the process of tracking and managing customer orders and shipments, improving the efficiency of each sale.
- **eBridges** Remote
Web Developer May 2018 - Aug. 2018
 - Created an e-commerce marketplace platform using **Django** and **PostgreSQL**.

Projects

- **uwScheduler** 🐙
To schedule your UWaterloo courses (WIP)
 - Developed a calendar-like dashboard in **React** for students to input courses they are interested in and visually see all course offerings.
 - Generalized the interface of the data required to allow for easy extension to different universities.
- **koup** 🐙
Replica of the board game ‘Coup’, meant for augmented real-life gameplay
 - Implemented the core game in **Vue** with a room system to allow for concurrent games.
 - Used **Vue Apollo** to send **GraphQL** queries & mutations for updating the player’s cards.
- **Vm**
Vim-like text editor
 - Created classes in **C++14** to perform file operations and render the display using **ncurses**.
 - Used **OOP** design, including the decorator and template method pattern, for strong abstraction.

Education

- **University of Waterloo** Waterloo, Canada
BMath in Computer Science and Combinatorics & Optimization 2017 - Present
 - 3.88 GPA, Term Dean’s Honours List