



Technical Skills

- Python (Django, NumPy), JavaScript (React, Node.js), Go, C++, Git, Docker.

Experience

- **Amazon** Vancouver, Canada
Software Development Engineer Intern May 2021 - Present
 - Working in the AWS CloudFormation team.
- **SAP** Waterloo, Canada
Software Developer Sept. 2020 - Dec. 2020
 - Worked in the streaming analytics team.
- **BioRender** Toronto, Canada
Software Developer Jan. 2020 - May 2020
 - Enhanced the graphical toolkit for premium users using **React**, **TypeScript**, and **Fabric.js**.
 - Implemented many new customizable shapes in the canvas editor, incorporating OOP concepts (such as SOLID and the decorator pattern) for strong abstraction.
 - Designed and developed 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**, **Python**, and **PostgreSQL**, including floor plan editing, XML generation, and push notifications.
 - Developed SDKs using **Express** and **MongoDB** to automate company workflows.
- **Greatwall Ledlight** Hong Kong
Software Developer June 2018 - Aug. 2018
 - Developed a system with **Django** to streamline the process of managing customer orders.

Projects

- **MonoDepthNet**
Neural network for unsupervised single-image depth estimation
 - Implemented a convolutional neural network in **Python** with **PyTorch** to perform depth estimation from a single image by following the paper by Godard et al.
 - Trained the model to achieve decent qualitative results on unseen images.
- **uwScheduler**
To schedule your UWaterloo courses
 - Developed a calendar-like dashboard in **React** and **Go** for students to input courses they are interested in and easily see all course offerings.
 - Facilitated the development and deployment process by containerizing the app with **Docker**.
- **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.

Education

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