

## Skills Summary

- *Languages/Databases/Tools:* JavaScript, Python, Java, MERN, PyTorch, MongoDB, Git, PostgreSQL
- *Experience with:* Full Stack Engineering, Project Management, UI Design

## Work Experience

### Major League Hacking

Software Engineering Fellow

(Remote) Toronto, ON  
June 2020 - August 2020

- Contributed to Babel for v7.10.3 and v7.10.4, a compiler package with 7M+ downloads, via bug patches
- Managed a team of 8 to develop Babel Sandbox, an updated version to Babel REPL using React and SailsJS
- Identified and increased test coverage from 82% to 96% for SheetJS browser tests using MochaJS
- Developed js-word, a Word processing library starred by 1.1k+ users and downloaded 50k+/weekly by collaborating in a group of 7

### Ascend Build

Software Engineering Intern

Toronto, ON  
February 2020 - May 2020

- Raised \$200k in seed round by developing data visualization tools with React and Mapbox for 30 users
- Implemented the Martinez algorithm to reduce search algorithm complexity for large GeoJSON files
- Developed data preprocessing and labeling tools for GeoJSON metadata using JavaScript
- Repaired 100+ urgent front-end related issues using React by performing unit-testing

### Collective Brains

Product Management Intern

(Remote) Seattle, WA  
January 2020 - April 2020

- Strategized roadmap for delivery to Motorola North America Marketing as the first client
- Reduced the client onboarding process by 2 weeks by recreating the signup process
- Worked with the product & marketing team to deliver email campaigns and conduct client interviews
- Created business operation workflows for internal staff when onboarding new clients

### WorkPlace21

Software Developer Intern

(Remote) Seattle, WA  
September 2019 - December 2019

- Increased the number of early-stage registrations by 100% by improving the UI/UX using Bootstrap 4
- Reduced monthly expenses by 85% by improving the web app scalability using MERN
- Identified and fixed CRUD-related bugs and issues using Ruby on Rails and PostgreSQL

## Projects

### Synbiolic - AI Drug Discovery Platform

Azure, Tensorflow, MERN

- Placed top 5 of 28,000 contestants in Microsoft Imagine Cup Challenge (N.A. Finalist)
- Utilized Azure ML, Azure API Management to host our DeepChem model cluster

### Data Science for COVID-19 (DS4C)

SciKit, Python

- Built linear regression models to forecast COVID-19 figures 2 weeks in advanced with r2 loss of 0.72
- Wrote scripts to daily auto-update the dataset along with data preprocessing functions to clean the data

## Education

### University of Waterloo

Honours Bachelor of Computer Science

Waterloo, ON  
2020 - April 2025 (Expected)