William Law

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EDUCATION

University of Waterloo Waterloo, ON
Honours, Bachelor of Computer Science *Sept. 2020 - Apr. 2025 (Expected)*

EXPERIENCE

Major League Hacking (Remote) Toronto, ON
Software Engineering Fellow *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
- Idenified 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 Toronto, ON
Software Engineering Intern *Feb. 2020 - May 2020*

- Raised $200k in seed round by developing data visualization tools with React and Mapbox for 30 users
- Reduced search algorithm complexity from 6s to 1s for large GeoJSON files using the Martinez algorithm
- 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 (Remote) Seattle, WA
Product Management Intern *Jan. 2020 - Apr. 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 (Remote) Seattle, WA
Software Developer Intern *Sept. 2019 - Dec. 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
- Idenified 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

SKILLS

Languages and Technologies: JavaScript, Python, Java, React, NodeJS, ExpressJS, MongoDB, PostgreSQL, Git, PyTorch, Cloud (AWS, Azure), Testing (MochaJS, Jest), Scripting (Shell, Bash, Powershell)