

William Law

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EDUCATION

University of Waterloo

Honours, Bachelor of Computer Science

Sept. 2020 - Apr. 2025 (Expected)

GPA: 3.82 / 4.00

EXPERIENCE

Major League Hacking

Software Engineering Fellow (Backend)

Toronto, ON

Jun. 2020 - Aug. 2020

- 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.
- Contributed to Babel for v7.10.3 and v7.10.4, a compiler package with 7M+ downloads, via bug patches
- 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 (Product)

Toronto, ON

Feb. 2020 - May 2020

- Raised \$200k in seed round by building the initial product and infrastructure for 30 users in JavaScript.
- Created and implemented the initial pipeline for processing and searching large GeoJSON files by developing data preprocessing functions for specific metadata in JavaScript.
- Co-led the frontend development and design by using React, Material UI, and the Mapbox API.

WorkPlace21

Software Developer Intern (Product)

Seattle, WA

Sept. 2019 - Dec. 2019

- Increased the number of early-stage registrations by 100% by redesigning the complete website with an emphasis on the UX using Bootstrap 4.
- Reduced monthly expenses by 85% by migrating the onboarding website to React and improving its scalability.
- Identified and fixed CRUD-related bugs and issues for business logic workflows using Ruby on Rails and PostgreSQL.

PROJECTS

Sheetaki - Distributed CSV Conversion API

Nginx, Droplet

- Implemented Nginx load balancing into the service to horizontally scale to multiple Droplets.
- Implemented an API token-based rate limiting feature for three different tiers of utilization.

Holy Grail AI (YC S19) - Machine Learning Testing Framework

Python

- Built an end-to-end testing and training system to measure the performance of Bayesian Neural Networks.
- Developed tooling features in Python to log specific model data into a CSV.

COVID-19 - Data Visualization

SciKit, Python

- Wrote scripts that would auto-update the dataset and execute data preprocessing functions to clean the data.
- Presented the data by building linear regression models to forecast COVID-19 figures 2 weeks in advanced.

IdeaSpace

Java, SpringBoot

- Created an authentication system in Spring Web and Security to register and authenticate users.
- Wrote custom search algorithms in JavaScript to efficiently retrieve the data between the front and back-end client.

SKILLS

C/C++, JavaScript, Python, Java, React, NodeJS, ExpressJS, MongoDB, PostgreSQL, Git, Cloud (AWS, Azure), Testing (MochaJS, Jest), Scripting (Bash, Powershell), System Design