

Graeme Woods

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EDUCATION

B. Eng. Software Engineering Co-op - McMaster University

Graduation: Apr 2022

Relevant Courses: Software Design, Data Structures & Algorithms, Concurrency, Linear Optimization

EXPERIENCE

Backend Developer Co-op

May – Aug 2020, May – Aug 2021

QED

Remote

- Developed a new **GraphQL API** in existing codebase to reduce many front-end requests to a single API call
- Implemented **Django** JSONFields into our database to increase versatility across our existing models while preserving our custom sorting and searching functionality
- Created an internal **Chrome extension**, adopted by the entire team, to quickly extract the Django session token used for debugging requests in **Postman**
- Migrated **50+** routes in a **Django** REST API to a new architecture while maintaining backwards compatibility
- Built a **Slack bot** in **Node JS** to send real-time status updates and actionable notifications to the bug team

Full Stack Developer Co-op

Jan – Apr 2020

Caliber Communications

Hamilton, ON

- Wrote **Puppeteer JS** browser automation scripts to apply settings to security devices without an API
- Built new configuration tools using **Electron** and **Express JS** used for proprietary setup of security cameras
- Designed features and UI components for Caliber's internal **Angular** application used by all **50+** employees

Frontend Developer Co-op

May – Aug 2019

5Fold

Barrie, ON

- Created performant, high-conversion websites in **Gatsby JS (React)** from in-house Figma designs
 - Developed dynamic React components used across multiple client sites using **ES6** and **React Hooks**
 - Achieved **100%** Google Lighthouse score on all projects by implementing **Google's Progressive Web App** guidelines and **AODA's** accessibility standards
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PROJECTS

Vaccine Appointment Finder

May 2021

- Architected a **Vue JS** app to display all available vaccine appointments in the Halifax region using a clean, sortable table designed with **Bootstrap** components
- Utilized an **AWS Lambda** function written in **Python** to pull data directly from the provincial database
- Integrated the **Google Maps Directions API** to allow for sorting each appointment location by distance

AWS Lambda Grade Scraper

Dec 2020

- Deployed a Puppeteer JS web scraping script to **AWS Lambda** that connects to McMaster University's grade portal to pull final grades every hour and store a screenshot in an **S3 Bucket**
 - Leveraged the **Twilio API** to send the user a text when new grades had been posted and responded to incoming text commands with the current grades and a screenshot from S3
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SKILLS

Languages: JavaScript, Python, TypeScript, HTML, SCSS, Bash

Frameworks/Tools: Node.js, React.js, Vue.js, Django, PostgreSQL, Git, AWS Lambda, Netlify, Firebase, Jira