

BEN CARLSON

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EDUCATION

University of Guelph

Bachelor of Computing in Computer Science, Minor in Business, GPA 3.3/4.0

September 2019 – May 2023 (Expected)

Guelph, ON

TECHNICAL SKILLS

Languages: Java, Python, C, JavaScript, Typescript, SQL, HTML, CSS, SASS

Frameworks: React, Next.js, Express, Node, Material UI, MySQL, PostgreSQL, Puppeteer, MongoDB, Neo4j

Developer Tools: AWS, Docker, Yaml, Git, Gitlab, Grafana, Graylog, Jest, Cypress

EXPERIENCE

Junior Software Developer Intern

CondoWorks

May 2022 – August 2022

Toronto, ON - Remote

- Monitored production application for anomalies utilizing Grafana and Graylog and performed maintenance impacting over 1000 accounts.
- Re-engineered core parsing technology to increase overall parsing accuracy from 91.5% to 93.5% on a data set of 100,000 invoices
- Increased monthly invoice volumes from 6000 to 9000 through creation and maintenance of scrapers utilizing Async-Await, Puppeteer and Bluebird.js
- Worked closely with the CTO and Lead Engineers on core architecture changes in an Agile work environment.

Undergraduate Teaching Assistant

University of Guelph

September 2021 – December 2022

Guelph, ON

- Provided educational support to 300 students regarding Java Object Oriented Programming Concepts through office hours.
- Presented weekly lab sessions to sections of 40 students discussing concepts such as encapsulation or polymorphism.
- Marked 8 assessments, 3 exams in groups of 40-80 and participated in weekly progress reports with the professor and teaching team.

Full-Stack Developer

Web Us

August 2020 – September 2021

Remote

- Worked closely with clients by creating custom tailored mockups for their web application.
- Deployed responsive, custom tailored web applications powered by React.js, and Express.js to Heroku and Cloudflare.
- Offered data storage, email, support and consultation to multiple small business clients using Cpanel.

PROJECTS

Deadline Buddy | React.js, Express.js, MongoDB, Material UI, Node.js

- Awarded Major League Hacking's best domain award at YUHacks 2021 out of 250 teams.
- Developed a productivity application, combining a user friendly to do list with a calendar.
- Built a backend, following CRUD principles with Express.js and MongoDB.
- Designed a visually appealing frontend using React.js and Material UI.

Course Management System | Typescript, Next.js, Neo4j, Docker, AWS

- Built a CLI and full-stack course management system with a team of 6 students in an Agile/Scrum work environment.
- Designed a serverless API using Next.js and Neo4j to store and access data.
- Implemented Continuous Integration and Deployment pipelines using Docker, AWS EC2 and Github Actions.
- Created robust unit testing and linting using Jest, Cypress, ESLint and Playwright totaling 75% coverage.

AWARDS/CERTIFICATIONS

Deans Honours List

Awarded for obtaining an overall semester average of 80% or higher.

April 2021, April 2022

University of Guelph