

Martin Ivanov

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EDUCATION

McMaster University | Bachelor of Engineering in Software Engineering Co-Op **September 2020 – May 2024**

- **3.7/4.0 Cumulative GPA**, McMaster President's Scholarship, Dean's Honour Roll

RELEVANT WORK EXPERIENCE

Ceridian **May 2022 – August 2022**

Software Developer Intern

Mississauga, ON (Remote)

- Developed new features and maintained legacy code for a product with over **5 million** global active users
- Translated **Figma** designs and wireframes into dynamic **React** user interfaces for new features
- Built **C# .NET** endpoints and a **React** UI for exporting up to **15000** records of user data to .csv files at once
- Engineered **SQL** scripts for migrating user data across database schemas involving **30+ tables**
- Reduced the number of committed tech debt items and bugs by at least **20%** during each triweekly **Agile** sprint

Peernet **September 2021 – December 2022**

Software Developer Intern

Toronto, ON (Remote)

- Developed scalable features for a student social collaboration platform with **2100+ users** across **3 universities**
- Designed, built, and tested web components using **React**, **Redux**, and **React Query** in a full-stack environment
- Constructed RESTful APIs with **Express/Node** and used **Postman** to perform **100+ API tests** in development
- Built a convenient GPA calculator with automated course data entry that was used by over **25%** of active users
- Developed a homework help feature for students to ask questions in **9000+** unique course forums

PROJECTS

JobBase — Job Application Organiser 🐙

- Developed a desktop program to map job search progress by tracking and visualising job application data
- Constructed a user-friendly **Java Swing GUI** to allow the user to intuitively create, update, and delete records
- Created and connected to an **Amazon Web Services RDS MySQL** cloud database to store user job app records
- Algorithmically consolidated data from **200+ records** to generate heatmaps, Sankey diagrams, and pie charts

Eatsy — Meal Planning App 🐙 🔗

- Developed a full-stack web application for planning meal portions to help users stretch grocery budgets
- Built a **React** front-end with Google Calendar style functionality, prioritizing a smooth user experience
- Implemented a full user authentication system using **JSON Web Tokens** and **bcrypt** for encryption
- Constructed a REST API using **Express** and **Node** to create, read, update, and delete data from **MongoDB**
- Reduced monthly grocery spending by over **30%** after consistently using the application for one month

Driving Test Availability Finder 🐙

- Implemented a **Selenium** browser to automate the process of checking for new driving test availabilities
- Set up a **Python** SMTP system to automatically email the user as soon as a new appointment opened up
- Reduced waiting time to get a driving license by **70%** through automatically running the script **75+** times a day

SKILLS

Languages & Frameworks: JavaScript, HTML/CSS, Python, Java, C#, C, C++, React, Express, Node.js, Bootstrap

Tools: Git, Linux, Bash, MongoDB, SQL, Heroku, Netlify, Jira, Trello, VS Code, IntelliJ, NetBeans, Postman, AWS RDS