Matthew Dibble

3B computer science and business dual degree student
Email: mdibble@rogers.com / Portfolio: matthewdibble.com / GitHub: mdibble

SKILLS

Languages	TypeScript, JavaScript, Python, C, C++, Java, Rust, SQL, VBA, Google Apps Script
Web	React, Redux, Node.js, Express, Postgres, MySQL, Mongo, Jenkins, Docker, Splunk, Azure, REST, Jest
Productivity	Version control (Git), Agile development (Scrum, Kanban), GitHub, Bitbucket, Jira, Trello, Office

PROFESSIONAL EXPERIENCE

Software Developer   Kitchener, ON / **Winter 2021**
The Co-operators
- Lead developer for several core frontend and backend services of an in-development internal large-scale webapp
- Successfully brought said app from early-stage development to UAT in a time that exceeded expectations
- Maintained production webapps and internal libraries, ensuring continued compatibility with existing dependants
- Gained practical experience interacting with DevOps/infrastructure tools such as Splunk, Jenkins, and Azure
- Effectively collaborated with a large team, communicating with leads, testers, analysts, and other developers

Systems Analyst & Developer   Innisfil, ON / **Summer 2020**
FreshSpoke
- Architected scalable and practical inventory management system from scratch, enabling high levels of automation
- Created separate interim system for tracking inventory in Excel, writing scripts to improve user workflow
- Developed frontend for a modular, filterable analytics dashboard used by investors, administration, and clients
- Provided quality assurance testing for a fleet of mobile apps, thoroughly documenting any unexpected behaviour

Logistics Coordinator   Barrie, ON / **Summer 2019**
FreshSpoke
- Managed user experience overhaul project for two mobile applications adhering to set requirements
- Completed a standardized set of procedures designed for new clients of the platform to get started easily
- Developed solutions to consolidate backend user payment processing and evaluated subsequent results
- Created, researched, and deployed a social media ad campaign tailored toward a specific demographic

PERSONAL PROJECTS / Non-exhaustive, view my GitHub for a comprehensive list

NES Emulator – Source
- Tech used: Rust, SDL2
- Cycle-accurate emulator of the *Nintendo Entertainment System* that takes advantage of Rust's unique properties
- Degree of accuracy allows for play of *Super Mario Bros.*, *The Legend of Zelda*, *Donkey Kong*, and much more

2020 US Presidential Election Poll Aggregator – Source
- Tech used: Node.js, React, MongoDB, Express
- Full stack web-app that compiles data from federal election polls and presents information on a per-state level
- Built REST API that enables users to add, delete, modify, and extract data from polls stored in a NoSQL database

EDUCATION

Wilfrid Laurier University – 11.24/12.00 GPA   Waterloo, ON / **Fall 2018 – Spring 2023**
- Candidate for Bachelor of Science in Computer Science (BSc)
- Candidate for Bachelor of Business Administration (BBA)

MORE INFORMATION

Accolades
- 2019 BDO New Venture Case Competition Semi-finalist (200+ entrants)
- 2018 Starbucks Consulting Case Competition Finalist (200+ entrants)

Interests
- Emulation, modern programming languages, computer graphics, compilers, NFL, tennis, photography, movies