

# Matthew Dibble

3B computer science and business dual degree student  
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## SKILLS

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

## PROFESSIONAL EXPERIENCE

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### 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

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](https://github.com) for a comprehensive list

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### 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

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### 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

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### Accolades

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