

# Matthew Froggatt

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## SKILLS

**LANGUAGES** C++, C, Python, TypeScript, JavaScript, HTML, CSS

**TOOLS & ENVIRONMENTS** Linux, Windows, Git, Make

## EDUCATION

Computer Science and Business Double Degree

2018 - 2023

**UNIVERSITY OF WATERLOO** Candidate for Bachelor of Computer Science

**WILFRID LAURIER UNIVERSITY** Candidate for Bachelor of Business Administration

## EXPERIENCE

**MCAP** Jr. Business Analyst

May 2020 - Current

- Trained new hire on company processes and automations that I created
- Modernized HR processes by creating input validations and additional automations for HR system

**MCAP** Jr. Business Analyst Co-op

January 2020 - April 2020

- Used Excel to create data visualizations which informed the board of directors on the state of the company
- Automated HR tasks using complex Excel formulae and macros, saving days of time
- Worked with other HR employees to prepare statements to be sent out to over 800 employees

**OMNIVEX** Software QA Tester

July 2017 - August 2017

- Used Microsoft Azure to create servers and test Service Fabric programs to ensure bug free software
- Collaborated with the development team to identify critical areas for testing, and to report errors
- Participated in weekly scrum team meetings to ensure the timely reporting and repair of critical issues

## PROJECTS

**ULTIMATE TIC-TAC-TOE** TypeScript and React

In progress

- Created a modular front-end which allows for easy future updates and styling
- Built decoupled game logic which can easily be used across front-ends

**WLP4 COMPILER** C++

- Wrote a compiler for WLP4, a subset of C++, which compiles to MIPS machine code
- Created a lexer, parser, type checker, code generator, and assembler

**TETRIS** C++

- Wrote fully turn-based version of Tetris, which has both terminal and X Window display modes
- Allows for any number of players to play simultaneously, and has various special abilities that the players can use against each other

**BELOW-6** New Venture Business Project

- Collaborated with a group of other students to create a unique and viable business
- Developed a structured and complete business plan, including financial and marketing documents, to ensure future success of the business

## AWARDS

2019 Wilfrid Laurier University New Vecture Competition Semi-Finalist

2018 Wilfrid Laurier University President's Gold Scholarship Recipient

2018 ECOO Computer Science Competition First Round Champion

## LINKS



[github.com/matt-froggatt](https://github.com/matt-froggatt)



[linkedin.com/in/matt-froggatt](https://linkedin.com/in/matt-froggatt)