

# JEAN-FRANÇOIS TO

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## EDUCATION

**McGill University** • Montreal

August 2019 – Now

*Bachelor of Science* • *Mathematics and Computer Science* • GPA: 3.88/4.0

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## TECHNICAL SKILLS

- Programming languages: Java, Python, JavaScript, Rust, C, Bash
- Other related experience: Git, Linux, SQL, VueJS, NodeJS, Flask, Travis CI, Docker, HTML, CSS

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## PROJECTS

For more details about the projects, visit my [personal website](#)

### Full Stack Website for Touch Typing

- Built a website that lets users type texts and compete for the best score
- Languages/Tools: MySQL, NodeJS, ExpressJS, VueJS, Docker, Heroku

### Photography Archive

- Built a photography portfolio that dynamically generates links and album covers
- Languages/Tools: Flask, AWS S3

### Multiplayer Game

- Built a video game with Rust using an open-source game framework (ggez)
- Designed and built a UDP peer-to-peer network from scratch
- Used WebAssembly to make the game playable on a browser

### Chip-8 Interpreter

- Built a Chip-8 interpreter with Rust
- Capable of playing basic games such as Tetris, Space Invaders and Pong

### Module for Open-Source Status Bar

- Wrote a Rust script that parses .ics files and shows the current and next event of the day
- Can be integrated as a module for an open-source status bar (Polybar)

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## WORK EXPERIENCE

**Tutor** – Collège Jean-de-Brébeuf

August 2017 – May 2019

- Tutored students in various freshman-level courses such as math, physics and chemistry
- Helped students one-on-one to further their understanding of the subject

**Research Assistant** – Collège Jean-de-Brébeuf

Summer 2019

- Worked in a laboratory researching inorganic chemistry
- Worked on writing new labs so they could be taught to future students