

# Frederic Mikhail

## Personal Information

📍 Montreal, Canada 📞 (514) 502-6251 ✉️ fred ekladioce@gmail.com

## Work experience

### College Mathematics and Physics Tutor Private Tutoring

📅 09/2018 – present 📍 MONTREAL, CANADA

- Tutored and mentored college-level mathematics and physics specifically: Calculus I, Calculus II, Statistics, Mechanics and Electricity & Magnetism.
- Delegated weekly lesson plans and created practice materials for students.
- Helped students raise their final grade.

### Software Developer Intern iBwave Solutions

📅 05/2021 – 09/2021 📍 SAINT-LAURENT, CANADA

- Created and executed unit test cases.
- Interacted with QA team and scrum master, solving bugs through the Jira ticket system.
- Suggested, planned and implemented software improvements and upgrades.
- Implemented new features corresponding to user stories in C# for the main iBwave desktop application.

### Software Engineer Intern EXFO

📅 01/2021 – 04/2021 📍 SAINT-LAURENT, CANADA

- Manual testing (black box testing, usability, user interface, ad-hoc, exploratory testing).
- Handled highly stressful situations and unexpected errors in an efficient manner.
- Prepared and executed test cases in C# and C++.
- Worked with a core team and a scrum master.

### Software Engineer Intern CMC Electronics

📅 09/2019 – 12/2019 📍 SAINT-LAURENT, CANADA

- Automated parsing of strings using Perl scripts to make repetitive tasks more efficient and to produce clean data.
- Prepared user guides for company tools.
- Participated in code coverage analysis and generated excel sheets with thousands of organized data.
- Ran manual and automated tests for the flight management systems.
- Wrote and executed tests in C to cover low level requirements.

## Projects

### Covid-Tracker Web Application (Course Project)

1. Produced design documents and user stories.
2. Implemented and designed specialized dashboards for specific types of users (doctors, patients, administrators, immigration officers and health officials) using typescript, ionic and angular.
3. Implemented part of the logic used in geolocation tracking.

### TeamBalancer Desktop Application (Personal Project)

1. Produced UML class diagram design document for project.
2. Implemented algorithm for balancing and randomizing two soccer teams given player position, strength and name using C#.
3. Implemented UI for desktop application.

## Education

**Concordia University, Montreal, Canada** 2018 – 2022

- Bachelor of Engineering in Software Engineering

## Skills

### Programming languages

Java, PHP, Javascript, Typescript, C, C++, C#, Python, Perl

### Relevant Institute Courses

Machine Learning, Data Systems for Software Engineering