

# Ion Basha

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## EDUCATION

### McGill University

Montreal, Canada

*Bachelor of Science in Computer Science*

***Expected Graduation Date: May 2026***

- Relevant coursework: Intro to Computer Science and Object-Oriented Programming (OOP), Data Structures and Algorithms, Intro to Software Systems Programming (Unix), Software Design, Operating Systems

## WORK EXPERIENCE

### Software Developer Intern

January 2025 - Present

*Cerence AI*

*Montreal, Canada*

- Integrated deployment tests into GitLab CI/CD pipelines to assist with automating development processes
- Automating dataset retrieval using Python and pandas to enhance efficiency in LLM testing
- Contributing to daily Scrum meetings, tracking task progress, implementing mentor feedback, and using Jira to manage Agile workflows

### Software Developer Intern

May 2024 - September 2024

*Moast*

*Montreal, Canada*

- Built an internal dashboard with Remix (React.js framework) for the user interface, utilizing Node.js, JavaScript, PostgreSQL, and Prisma for data retrieval and insights
- Produced documentation to assist with onboarding future software developers
- Utilized programmatic search engine optimization (pSEO) techniques to create over 50 web pages and increase business visibility
- Identified and resolved software bugs, improving reliability and quality of production-level code

### Computer Programming Instructor

July 2023 - August 2023

*Under The GUI Academy*

*North Vancouver, Canada*

- Taught elementary and high school students fundamentals of programming and OOP concepts through the PixelPAD engine using Python
- Followed a course curriculum and assisted students with developing their own simple applications
- Created a positive learning environment for campers of varying programming expertise

## EXTRACURRICULARS

### Software Subteam Member

September 2024 - December 2024

*McGill Formula Electric*

*Montreal, Canada*

- Built a graphical user interface to display and graph data regarding the vehicle's performance using Python, pandas, Plotly, and PyQt5

## PROJECTS

**liveBus** | *Kotlin, Android Studio, TransLink REST API, Google Maps SDK* [github.com/ionbasha/liveBus](https://github.com/ionbasha/liveBus)

- Developed an Android bus tracking app written in Kotlin using the Android Studio development environment
- Implemented a map to display buses using Google Maps SDK for Android
- Retrieved real-time transit information using TransLink REST API
- Published on Google Play Store

## TECHNICAL SKILLS

**Programming Languages:** Python, Java, C, Kotlin, HTML/CSS, JavaScript, SQL, MIPS Assembly

**Frameworks:** React.js, Node.js, Express.js

**Developer Tools and Libraries:** Git, VS Code, IntelliJ, Android Studio, REST APIs, PostgreSQL, Prisma, Jira, GitLab CI/CD, pandas