

# Ion Basha

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## EDUCATION

### McGill University

Montreal, Canada

*Bachelor of Science in Computer Science*

***Expected Graduation Date: December 2025***

- 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

May 2024 - September 2024

*Moast*

*Remote (Vancouver, 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 display of insights regarding several Shopify businesses
- Produced documentation to assist with the onboarding process of future incoming 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 the 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 computer 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 - Present

*McGill Formula Electric*

*Montreal, Canada*

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

## PROJECTS

### TheIdeaBox | [React.js](#), [JavaScript](#), [Node.js](#), [Express.js](#), [MongoDB](#)

github.com/ionbasha/theideabox

- Developed a repository using the MERN technology stack where users can view and submit software development project suggestions for other users to see and use
- Incorporated 'like' system which allows users to like their favourite submissions and view submissions in descending order of number of likes received
- Implemented API layer using Express.js and Node.js and stored submission data into MongoDB

### liveBus | [Kotlin](#), [Android Studio](#), [TransLink REST API](#), [Google Maps SDK](#)

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

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

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

**Developer Tools and Libraries:** Git, VS Code, IntelliJ, Android Studio, REST APIs, MongoDB, PostgreSQL, Prisma