

# Ion Basha

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## EDUCATION

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### McGill University

Montreal, Canada

*Bachelor of Science in Computer Science*

***Expected Graduation Date: May 2025***

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

## WORK EXPERIENCE

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### 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

## PROJECTS

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### 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
- Utilized React.js framework to create the front-end user interface
- 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

- Engineered 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

### Personal Website | [HTML](#), [CSS](#)

github.com/ionbasha/personalwebsite

- Developed a personal portfolio website using HTML and CSS
- Includes a biography, links to my social media accounts, and a personal portrait

### jerseyscraper | [Python](#), [Beautiful Soup](#), [web scraping](#), [MongoDB](#)

github.com/ionbasha/jerseyscraper

- Programmed a Python script that scrapes soccer jersey reselling sites using the BeautifulSoup library
- Names, prices and URLs of newly added jerseys are stored into a MongoDB database
- System notification sent displaying number of new jerseys added to jersey reselling websites

## TECHNICAL SKILLS

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**Languages:** Python, Java, C, Kotlin, HTML/CSS, Bash, OCaml, R, JavaScript

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

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