

Ion Basha

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EDUCATION

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

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

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

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

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

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