

# Ion Basha

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## EDUCATION

### McGill University

August 2021 - April 2025

Montreal, Canada

- Bachelor of Science in Computer Science
- GPA: 3.24/4.00
- Related Coursework: Intro to Computer Science and OOP, Data Structures and Algorithms, Intro to Software Systems Programming (UNIX)

## WORK EXPERIENCE

### Computer Programming Instructor

July 2023 - August 2023

Under The GUI Academy

- Taught elementary and high school students fundamentals of computer programming and object-oriented programming (OOP) 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 who possessed various levels of technical/programming knowledge

### Dishwasher/Kitchen Helper

May 2022 - August 2022

Cafe il Nido

- Performed cleaning duties such as washing plates, pans, cutlery, vacuuming floors and disposing of waste
- Assisted with food preparation by chopping vegetables and storing food items in fridge for later use
- Communicated effectively with other chefs and servers to ensure highest quality service was delivered

## PROJECTS

### liveBus: Vancouver Transit App

June 2023 - Present

Kotlin, Android Studio, TransLink Open API, Google Maps Android SDK, XMLPullParser, OkHttp

- Engineered an Android app written in Kotlin using the Android Studio integrated development environment, which displays live bus locations in the Greater Vancouver Area
- Implemented a map to display buses using Google Maps SDK for Android
- Retrieved bus data (i.e. longitude, latitude, direction, final destination) using TransLink Open API and OkHttp client: parsed data using XMLPullParser
- Used Git version control system to track changes and push updated code to GitHub
- Published on Google Play Store

### Personal Website

May 2023 - August 2023

HTML, CSS, GitHub Pages

- Developed a static personal website which includes a brief biography, links to my social media accounts, and a personal portrait (image)
- Currently being hosted on GitHub Pages

### jerseyscraper

August 2023

Python, BeautifulSoup, web scraping, MongoDB

- Developed a Python program that scrapes certain football/soccer jersey reselling websites using the BeautifulSoup library
- The names, prices and URLs of newly added jerseys are stored into a database using the MongoDB database program: system notification is sent regarding new additions to the database

## TECHNICAL SKILLS

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

**Developer Tools and Libraries:** Git, Android Studio, VS Code, IntelliJ, OkHttp, BeautifulSoup, MongoDB