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
- Automated test data retrieval using Python and pandas to enhance efficiency in LLM testing
- Implemented gRPC and REST interceptors for an internal library to log latency and key metrics, enhancing observability and performance monitoring
- 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
- 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, gRPC
Developer Tools and Libraries: Git, VS Code, IntelliJ, Android Studio, REST APIs, PostgreSQL, Prisma, Jira, GitLab CI/CD, pandas