

Hamza Azim

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EDUCATION

Wilfrid Laurier University

Expected 2026

Honors in Bachelors of Science (H.Bsc.), Computer Science

Relevant Coursework: Data Structures & Algorithms, Software Tools & Systems Programming, Software Design & Development in Java, Object-Oriented Programming, Machine Learning, Python Programming, Data Structures, Linear Algebra, Calculus I, Database I, Discrete Mathematics, Mathematical Proofs, Windows Application Programming.

TECHNICAL SKILLS

Languages: Python, Java, C/C++, C#, SQL, JavaScript, JSX/HTML/CSS

Frameworks & Platforms: Embedded Systems, Linux, Windows, TensorFlow, React, Angular, Node.js

Developer Tools: Git, Unix/Linux, VS Code, Visual Studio, PyCharm, Eclipse, Netbeans, Docker, Kubernetes, NPM/Yarn, Excel

Other Tools: GitHub, SAS/SPSS, Software Configuration Management, Version Control (Git), Scripting (Python, Shell)

Concepts: Data Structures, Design Patterns, Object-Oriented Programming, Multithreaded Processing, Agile Methodologies

EXPERIENCE

Software Engineer Intern

May. 2023 – Aug. 2023

Akhny Solutions Inc.

Remote

- Designed and developed back-end components using **Python** and **ASP.NET** ensuring efficient data management and dynamic feature implementation.
- Interacted with various **TCP/IP** and **serial commercial equipment** to enhance system communication.
- Designed high-level desktop applications and scripting solutions using **Python** and **C#**.
- Implemented responsive front-end interfaces using **JavaScript frameworks**, including **React** and **Angular**, to enhance user experience.
- Contributed to **CI/CD environments** by streamlining deployment processes and aligning with agile workflows.
- Supported New Product Introduction (**NPI**) processes by defining and optimizing workflows to ensure smooth product development transitions.

Engineering Student

Sept. 2022 – July. 2023

Almvoy

Remote

- Proficiently utilized **Python**, **C++**, and **Java** to create tools that optimized workflow processes, enhancing engineering team efficiency.
- Familiarized with cloud platforms **AWS**, **Azure** and container technologies **Docker**, **Kubernetes**.
- Contributed to embedded systems development, optimizing performance on **Linux** and **Windows platforms**.
- Conducted comprehensive data analysis and built efficient **data pipelines** to support business objectives.
- Participated in evaluating and developing innovative hardware solutions for **test equipment optimization**.
- Worked in a **fast-paced, multidisciplinary** team environment to ensure successful project delivery.

PROJECTS

Full Stack Developer

Sept. 2023 – Present

InternSync - Startup

Remote

- Delivered scalable solutions with a focus on **TypeScript** for project implementation
- Enhanced front-end design with **CSS** and **HTML** ensuring responsive and accessible interfaces.
- Leveraged **micro-services architecture** to enhance the scalability and flexibility of the application.
- Collaborated across functions to integrate third-party services, prioritize security, and align development with user-centric design principles, driving product innovation and growth in the dynamic **startup environment**.
- Optimized deployment processes using **Procfile** or streamlined system management.
- Contributed to **agile sprints**, focusing on end-to-end system design and dynamic interface development.