

Ali Akbar

647-819-6234 | akba5650@mylaurier.ca | www.linkedin.com/in/ali-akbar132 | www.github.com/Ali-A132

EDUCATION

Wilfrid Laurier University

Honours Bachelor of Science, Computer Science (BSc) (Co-op)

Sept. 2021 – Apr. 2025

Waterloo, Ontario

EXPERIENCE

Software Developer

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Sept. 2023 - Dec. 2023

Toronto, Ontario

- Built an internal full-stack app for a law firm, implementing a React front-end and Node RestAPI integration to efficiently manage and display client information from their SQL database on a dynamic dashboard.
- Developed automated tests using Cypress to ensure code coverage and enhance product reliability, identifying and resolving bugs across various browsers.
- Contributed to improving a basketball app's machine learning functionality by adding essential training data with Python and Darknet, actively participating in field tests, and analyzing data to enhance model accuracy.

Lab Teaching Assistant

Wilfrid Laurier University

Jan. 2023 - Aug. 2023

Waterloo, Ontario

- Provided computer science students with assistance to understand and implement various data structures such as Stacks, Queues, Binary Search Trees and more.
- Supervised 30+ students during labs and troubleshoot issues they are having with the IDE, the configuration or programming language, developed a strong attention to detail and problem solving.

EXTRACURRICULARS

AV Technician and Video Editor

Laurier Computing Society

Oct. 2021 - Present

Waterloo, Ontario

- Successfully manage audio equipment during live events with over 200 attendees to ensure a high quality listening experience with industry professionals presenting.
- Garnered thousands of views by providing hundreds of students with review sessions on Computer Science concepts by editing and posting content.

PROJECTS

SentiTweet | *Python, Django, JavaScript, SQL, postgresSQL, Figma, HTML, CSS*

Nov. 2021 - Feb. 2022

- Built a Twitter sentiment analyzer that looks at a posts comment section and scores it based on emotional language found in text.
- Designed the webapp prototype using Figma and built the entire front-end from scratch with HTML and CSS.
- Implemented the Twitter API for text analysis within the back-end, deployed with Heroku.

PokéPlanner | *Django, JavaScript, SQL, Figma + Figjam*

Oct. 2021 – Nov. 2021

- Won "Most Innovative Hack" and placed first place in the GoldenHack Hackathon.
- Created a student budgeting app to help students manage finances during a pandemic and spend money wisely.
- Developed with the Django framework with primarily Python and SQL to keep a comprehensive database of spending goals and purchases.
- Built a prototype on Figma demonstrating the UI and designed to make budgeting easy and convenient.

MAD-HOUSE | *React, Firebase, JavaScript, HTML/CSS, Cloud Firestore*

Jan. 2023 – Present

- Developed a website that archives an artist's interviews, concert footage, and instrumental tracks to allow users to view an artist's musical evolution.
- Responsible for managing and delegating tasks in a team of 4 people in an Agile environment over the span of 4 months for a Software Engineering course.
- Built with the React framework and utilized Google Firebase for authentication, hosting, and data storage.
- Used the YouTube Rapid API to convert video clips into sound files for archival purposes and download.

TECHNICAL SKILLS

Languages: Java, Python, SQL, C, JavaScript, HTML, CSS, VBA

Frameworks and Technologies: Django, Angular, React, Git, Node.js, Firebase, Cloud Firestore, Cypress, JEST