

FARIS SALHI

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Summary

Computer Science student at the University of Calgary with experience in software engineering, full-stack web development, and **object oriented design**. Skilled in writing secure, tested, and **continuously integrated** code within agile teams. Experienced in developing scalable applications, interactive systems, and networked software. **Multilingual** (English, Arabic) and open to relocation.

Work Experience

University of Calgary – Summer Research Assistant

May 2024 – Aug 2024

- Worked in an agile team of two to design and implement an immersive VR application in **Unity** to replicate the University of Calgary exam gym, supporting neurodivergent students with exam preparation.
- Modeled and textured all 3D assets in **Blender**, for maximal fidelity and performance.
- Developed a web-based navigation and customization system composed of a **Flask backend**, a **React frontend**, and Unity client code integrated directly into the VR scene.
- Enabled users to navigate the exam hall, personalize the setup, and acclimate to the environment before real exams.
- Focused on accessibility and usability, applying user-centered design to reduce exam anxiety.
- Applied **iterative development**, refactoring practices, and version control for maintainability.

Amazon – Ambassador & Warehouse Associate

Sept 2020 – Present

- Delivered hands-on technical training for new associates on warehouse systems and technology.
- Provided troubleshooting and support for scanning devices, printers, and process software.
- Utilized problem-solving skills and customer-oriented approach in high-pressure environments.

Projects

Full Stack Tech E-Commerce Platform (Databases Course Project)

Jan 2024 – Apr 2024

- Worked in a team of three to develop a full-stack e-commerce platform with web and mobile apps.
- Built the backend using **Django** with a **MySQL** database, handling product catalog, users, and transactions.
- Designed a clean frontend aligned with **Material Design**, ensuring a modern user experience.
- Implemented features including **wishlists**, **shopping carts**, and a **recommendation algorithm**.
- Integrated an **AI chatbot** for customer support, enhancing interactivity and user engagement.
- Developed a companion **Android mobile app**, for a seamless cross-platform shopping experience.

WebClient & Multi-Threaded Web Server (Networks Course)

Sept 2024 – Dec 2024

- Developed a web client program in **Java** to download web objects via HTTP over secure TCP connections.
- Implemented full HTTP request/response handling, supporting binary and text object downloads.
- Built a multi-threaded **Web Server** to handle concurrent client requests.
- Gained hands-on experience with socket programming, secure communication, and concurrency.

Personal Portfolio Website & Blog

Ongoing

- Built a personal portfolio and blog using **Next.js** to showcase projects and a downloadable resume.
- Implemented a responsive UI with **Tailwind CSS**, including project listing and detail pages.
- Deployed via **Vercel**, ensuring high performance and responsive design.

Self-Checkout Station Software (Software Engineering Course Project)

Jan 2023 – Apr 2023

- As a **Project Manager**, led a team of 22 developers to implement a self-checkout system in **Java**.
- Directed requirement gathering, task allocation, and **unit testing** using agile methods.
- Produced and maintained various **UML diagrams** (use case, class, sequence) to model system requirements and guide implementation.
- Strengthened leadership and technical communication skills.

Education

University of Calgary

Sept 2020 – Dec 2025

Bachelor of Science in Computer Science

Relevant Coursework: Full Stack Development, Computer Networks, Software Engineering, Computer Security, Operating Systems, Databases, Algorithms, Artificial Intelligence, Video Game Design

Skills

Programming: Java, Python, C, C#, C++, SQL, JavaScript/TypeScript, UML

Frameworks/Tools: Unity, Unreal, Blender, Django, Git, AWS, Node.js, Vercel

Domains: Full-stack web, VR/XR, Databases, Object-Oriented Programming, AI basics

Professional: Project Management, Team Leadership, Agile Development, Systems Analytics

Other: Multilingual (English, Arabic)

Achievements

- Novelist and published author.
- Google AI Research School Certificate.
- Intro to Cloud Computing Certificate (Codecademy).
- SQL Certificate (Codecademy).