Salman Fiqi

(612) 398-9825 | fiqi0005@umn.edu | https://linkedin.com/in/salmanfiqi | fiqi.dev | https://github.com/fiqisalman

EDUCATION

University of Minnesota   Minneapolis, MN
Bachelor's in Computer Science, Minor in Mathematics 3.5   Expected Fall 2026
Awards/Honors: Dean List: Fall 2023; Spring 2024
Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Software development & Programming, Machine Architecture, Programming Principles, Discrete Structures

TECHNICAL SKILLS

Programming Languages: Java, Python, C, C++, OCaml, JavaScript, HTML/CSS
Software: Git, VS Code, Visual Studio, Docker, AWS
Certifications: AWS Data Engineering

WORK EXPERIENCE

Stanford   San Francisco, CA
Teaching Assistant   Jun 2024 – Aug 2024
- Taught Stanford's Code in Place CS106A course to students globally, taken by 1600+ students
- Educated Students in python leveraging beginner-friendly libraries such as Stanford's Karen & Tkinter
- Actively mentored students by guiding them through practical exercises in Python, offering personalized feedback, and helping them build their coding confidence.

PROJECTS

AWS Data Engineering Capstone (AWS S3, AWS Glue, AWS Lambda, Amazon Athena, Amazon Kinesis, Python, SQL)
- Designing and implementing a scalable data pipeline using AWS services to process and analyze large datasets
- Ingesting structured and instructed data from multiple sources using AWS Glue and Amazon Kinesis
- Transforming and storing data efficiently in Amazon Redshift for analytical querying
- Optimizing data workflows using AWS Lambda and Amazon Athena

Drone Simulation (C++, Python, MATLAB, Drone Simulation Frameworks, Git, GitHub, Docker)
- Collaborating with a team of students to develop a drone simulation system for campus applications like package delivery and customer transport.
- Participating in the entire software engineering lifecycle: gathering requirements, designing system architecture, coding in C++, and conducting tests following Agile methodology.
- Contributed to key features such as flight path optimization, real-time monitoring, and emergency protocols.
- Testing & Debugging: Engaged in unit testing and debugging to ensure the accuracy and performance of the simulation.

Rental Equipment Tracker (HTML/CSS)

- Developed a web application to manage and track rental equipments, enabling users to check available and make reservations
- Integrated user authentication and to store equipment images simplifying the backend management

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

Management Leadership for Tomorrow   Washington, DC
Career Preparation Fellow   Jan 2025 – Present
- Accepted into a selective 18-month professional development program for high-achieving diverse talent
- Complete business case studies and assignments to grow leadership and technical skills
- Attend conferences hosted by industry leaders, such as Deloitte, LinkedIn, and Target

Headstarter Fellowship   Remote
Artificial intelligence fellowship   July 2024 – September
- Full-Stack Development: Contributed to both the frontend and backend of AI applications, using Next.js for building fast and responsive user interfaces and Node.js for handling server-side logic and API interactions.
- Collaborative Teamwork: Worked closely with a cross-functional team, including designers and fellow developers, to ensure that AI solutions were practical, intuitive, and user-friendly.

ADDITIONAL SKILLS AND INTERESTS

Fluent in Somali, Interested in social innovation, entrepreneurship, and international travel