

FATIMAH SWEILEM

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An aspiring Software Engineer with skills in backend and frontend software development. Experienced in programming software using C/C++, Java, Python, x86/ARMasm, and eager to learn and take on additional responsibilities in an entry-level full-time job. Spoken languages: English (Native), Arabic (Native).

EDUCATION

Las Positas College Computer Science

Livermore, CA
July 2023

Relevant Coursework: Computing Fundamentals, Data Structures and Algorithms, Assembly Language Programming, Linear Algebra, Discrete Mathematics

California State University, East Bay B.S. Computer Science

Hayward, CA
Dec 2024

Relevant Coursework: Data Structures and Algorithms, Computer Architecture, Computing Responsibility, Statistics for Science and Engineering, Software Engineering, Website Development, Automata and Computation, Operating Systems, Artificial Intelligence, Analysis of Algorithms, Database Architecture

SKILLS

Programming Languages: Python, C/C++, Machine Learning, Assembly Language x86/x64 ARM/RISC-V, Java, HTML, CSS, JavaScript, React

Software: Google Suite, Microsoft Office Suite, Adobe Creative Suite, Linux OS, GitHub, Docker, CLion, Eclipse IDE, Visual Studio Code, GNU nano

Soft Skills: Communication, Teamwork, Public Speaking, Organization, Attention to Detail, Graphic Design, Research, Problem Solving, Collaboration, quick learner, reliability, strong work ethic

Technical Skills: Debugging, Compilers, OOP (Object Oriented Programming), Data Structures, Algorithms, AI Model Implementation, LLM Development, Technical Specifications, Statistics, Software Engineering, Scripting, Version Control Systems, technical support, web development

ACADEMIC PROJECTS

Botanist AI Chatbot (Hackathon 2025): Developed a web-based chatbot in a team to provide real-time plant care and information assistance in 24 hours. Led backend development, configuring the server and implementing chatbot functionality using JavaScript, Python, and HTML. Ensured secure backend operations to protect API calls. GitHub Repo: [Botanist AI](#)

Image Maker Editor (CSUEB): Designed and developed an image editor that allows users to create, modify, and store images efficiently. Managed both frontend and backend development using C++ to implement OOP concepts and optimized algorithms for performance.

EXPERIENCE and LEADERSHIP

Teacher Aide, ChildCare Careers

July 2022 – Dec 2023

Managed and substituted classrooms of more than ten children between six months and ten years of age.

Learning Assistant, California State University, Easy Bay

Aug. 2024 – Dec. 2024

Exhibited effective communication skills, patience, the ability to explain complex Data Structures and Algorithms concepts to people with a variety of learning styles, confidence in initiating conversations, and the ability to connect and engage with students.

Brought peer support to students inside the classroom, and provided a connection between students and instructors.

AFFILIATIONS and CERTIFICATIONS

CPR Certified

Jan. 2023 – Jan. 2025

Cisco Networking Academy: CCNAv7: Introduction to Networks

Aug. 2024

Achieved certification for completing the course covering topics such as configuring switches, routers, IPv4/IPv6, troubleshooting small networks, and applying security best practices.

MESA University Program, CSU East Bay

Oct. 2023 – Mar. 2024

Engaged in one-on-one mentorship with a Cisco employee to gain experience, knowledge, and valuable insights into the tech industry. Activities included developing an understanding of STEM careers, establishing meaningful connections, and exploring pathways to success in the field.