

Parisa Hariri

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EDUCATION

University of San Diego Shiley-Marcos School of Engineering

B.S in Computer Science

- **Honors:** Dean's List

Expected Graduation: May 2026

GPA: 3.46

J.F. Oberlin Shinjuku University Tokyo, Japan Study Abroad Program

January 2024

Washington State University Honors College

Transferred: May 2023

B.S in Software Engineering

GPA: 3.7

- **Honors:** WSU Regents Academic Scholar, Dean's List

SKILLS

Relevant Coursework: Data Structures, Computer Systems, Programming Abstractions & Methodologies, Introduction to AI, Web Programming, Data Science, Negotiation in Global Business, Algorithms, OOP Software Design, Networking, Automata Computability

Programming Skills: Python, Java, C, HTML/CSS, Go

Technical Software: Microsoft VS, VS Code, Linux, Microsoft Excel, GitHub, Jenkins, Bitbucket, Jfrog, Jira, AWS, Docker, AWS Certification training, Ubuntu, Dbeaver, Vizard, Biopac, SightLab

Languages: English, Farsi/Persian (Proficiency: Fluent)

INTERNSHIPS

Abbott Diabetes Care (Cloud Platform) | *Software Engineer I Technical Resident – Remote*

September 2025 – Present

- Contribute to the Cloud Platform team supporting Abbott's diabetes technology, developing scalable cloud-based solutions in Go, and gaining hands-on experience with Kubernetes.
- Design and implement Go applications inspired by healthcare and technology use cases, integrating APIs and cloud storage to strengthen backend development proficiency.
- Collaborate with a national remote team while learning about advancements in diabetes care technology.

Medtronic Diabetes (R&D Cloud) | *DevOps Engineer Intern – Northridge, CA*

June 2025 – August 2025

- Led Bitbucket-to-GitHub migration project, successfully migrating 150+ repositories with zero critical issues, enabling streamlined version control and team collaboration.
- Performed day-to-day deployments in AWS-based production environments, working in DevOps workflows and cloud infrastructure management.
- Designed and implemented CI/CD pipeline improvements for CareLink Cloud deployments, reducing deployment time and increasing reliability for September and January releases. Authored comprehensive documentation on CI/CD pipelines and deployment procedures to support operational continuity and team onboarding.

RESEARCH AND PROJECTS

Clarity Design Wallaby Project (Senior Design Capstone) | *Interdisciplinary Engineering Team*

September 2025 – Present

- Developing a mobile application for Clarity Design Inc., Wallaby, a wearable rehabilitation device designed to monitor wrist motion and assist recovery for patients post-surgery or with repetitive strain injuries.
- Collaborating with a computer science teammate on firmware development to synchronize sensor data between the mobile interface and wrist-mounted Time-of-Flight (ToF) motion sensors.
- Partnering with biomedical, electrical, and mechanical engineers to ensure ergonomic design for patient comfort and safety.

Robot Cars Search and Rescue Research | *Undergraduate Researcher*

October 2024 – Present

- Collaborated with an Electrical Engineering professor and a research team of four on a project involving five Pololu robot cars equipped with Raspberry Pi for a search and rescue simulation.
- Designed Python programs utilizing Dijkstra's algorithm and Markov chains to simulate and coordinate the movement of robot cars in a grid-based search and rescue scenario, optimizing line-following and probability-based pathfinding.
- Authoring and submitting a conference paper to IEEE, marking the first IEEE conference submission from the university, and representing the institution at the national IEEE conference.

USD Department of Neuroscience | *Software Research Assistant*

June 2024 – May 2025

- Designed a grant-funded interdisciplinary virtual reality project, simulating a TSP using Python, Vizard7, and SightLab software.
- Developed a database system and conducted data analysis. Collaborated with an interdisciplinary team.
- Submitted abstract and was accepted to present research at the Society for Neuroscience National Conference in Chicago, IL.

LEADERSHIP EXPERIENCE

Society of Women Engineers (SWE) | *Vice President*

April 2025 – Present

- Help lead chapter meetings, manage conference scholarship selection processes, and provide support across all officer positions.

Kappa Delta-Sigma Tau | *Vice President-Finance*

November 2022 – February 2023

- Created a 12-month budget strategy for a \$72,000 cash revenue organization to meet deadlines set by the Executive Board.
- Implemented the chapter's budget and handled payment of all chapter bills and reimbursements promptly. Enabled the development of cost/benefit analysis and held members accountable for member payments. Oversaw the chapter's revenue.

Society for Neuroscience (SFN) | *Member*

October 2024 – Present

- Presented original research on spatial cognition at the Society for Neuroscience National Conference.