

Sepehr Rafiei

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EDUCATION

University of California, Berkeley: College of Engineering

Expected Graduation: May 2024

Bachelor of Science: Electrical Engineering & Computer Science

GPA: 3.86

Relevant Coursework: | Data Structures | Discrete Mathematics and Probability Theory | Structure and Interpretation of Computer Programs | Designing Information Devices and Systems I | Ethics, Engineering and Society |

Moorpark College

August 2019-May 2021

Associate of Science: Computer Science, Physics, Mathematics

Associate of Arts: General Studies-Natural Sciences Emphasis

GPA: 3.90 | Honors Program Graduate | Dean's List | Southern California Edison STEM Scholarship Recipient |

Relevant Coursework: | ClientSide WebD HTML/JavaScript | Server-Side Dev. using PHP | Database Mgmt Systems and Application | Computer Arch. & Org. | Discrete Structures | Python Prog. | Java Prog. | Prog Concepts Methodology I/II(C++) |

SKILLS

Languages: *English & Persian (Farsi)* – fluent; *Mandarin Chinese* – limited

Skills: Python, Java, C++, C#, HTML, CSS, Javascript, PHP, SQL, NASM, Scheme, Git, Database Management, Docker, AWS, Google Cloud Platform, Penetration Testing, Social Engineering, OSINT, Excel, Teaching, Self-Learning, Problem Solving, Communication, Management

Certifications: Web Design Certificate of Achievement, Web Development Proficiency Award, Workplace Harassment Prevention for Employees, Communicating Across Cultures, Cybersecurity Awareness

Personal Interests: Spreading Smiles, Playing Piano, Cooking, Skateboarding, Socializing, Going on Adventures

PROFESSIONAL EXPERIENCE

Alcatel-Lucent Enterprise

Calabasas, CA | October 2021 – August 2022

Software/Network Engineer (Internship)

- Developed a full-stack web application to virtualize connections within a network-switch topology
- Built a Windows application using C# and Microsoft SQL Server to maintain shipments and product inventory
- Created a Python and C# library for serial and SSH communication to an OmniSwitch™
- Assisted with testing and debugging new software
- Maintained and organized switch topologies

Ventura County Community College District

Moorpark, CA | September 2021 – May 2022

Course-Embedded Tutor

- Tutored 50+ students in CS M10J and CS M125 (Java and C++ Programming)
- Aided students with completing homework and lab assignments
- Introduced industry-used skills and new concepts not covered in course

Las Virgenes Unified School District

Calabasas, CA | July 2017 – August 2017

Computer/Network Technician Assistant

- Fixed, repaired, and prepared over 3,000 Acer computers and laptops for the coming school year
- Automated bios and software update using a Digispark microcontroller, significantly reducing the time spent on each computer
- Collaborated within a team of 5 and maintained close communication to ensure quality service across all schools in the district

PROJECTS

YouTube SafeGuard(Cal Hacks 9.0)

San Francisco, CA | October 2023

Full-Stack Developer

- Worked in a team of three to develop an application that categorizes YouTube comments as spam, positive, negative, and neutral using Co:hear's NLP models
- Designed and implemented a Chrome Extension for the application's front-end using HTML, CSS, JS, and jQuery
- Created REST API using Django to communicate between application's front-end and back-end

AVL Tree Visualizer

Moorpark, CA | May 2021

Software-Engineer

- Created a C# program to visualize AVL trees
- Implemented the ability to add, remove, and insert nodes
- Provided the option to display tree in different speeds and tree traversals