Adrineh Khodaverdian

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EDUCATION

Bachelor of Science, Computer Science - Systems and Software **June 2024**

University of California: Irvine
- Cumulative GPA: 3.886
- Coursework: Data Structures, Systems, Artificial Intelligence (AI) , Computer Vision, Algorithm Analysis, Quality Assurance and Unit/Automated Testing, Networking, UI/UX , Functional Programming, Operating , Computer Organization UI Design , Database Design

Associate of Science, Computer Science **Sept 2022**

Glendale Community College
- Cumulative GPA: 3.95

SKILLS

Programming Languages: C++, Python, Java, TypeScript, JavaScript, HTML, CSS, SQL, Assembly. Prolog, Lisp ,C, R, JSON, NoSQL

Developer tools: UNIX, Linux AWS, PowerApps, PowerBi, Sharepoint, Agile, JUnit, Firebase, Postman, Azure, Git, GitHub, PostgreSQL

Software/Frameworks : Figma, Vue.js , AngularJs , Express.js , Node.js, REST API, Jira

PROJECTS

Operating System Simulator **Apr 2024 - May 2024**
- Developed a process and resource manager from scratch using **C++** with **OOP** and algorithms for process and resource handling.
- Created a **presentation shell** to simulate process and resource management operations without actual processes or hardware.
- Extended the manager to support multilevel scheduling and multiunit resources for prioritized process handling and resource management.

Full Stack Mobile Sleeper Tracker Application **Jan 2024 - Apr 2024**
- Developed a mobile app with a partner, within a week, using **Ionic for Android**, **Angular**, and **Firebase** in JSON for backend storage.
- Implemented features for logging overnight sleep and daytime sleepiness, with customizable data fields, and storing using HTTP calls.
- Designed an intuitive user interface through **Chart.js** allowing users to view and manage logged data, seamlessly through graphs.

GetMentored Website Front-End Stack Developer **Oct 2023 - Dec 2023**
- Involved in a 5 person team that developed the Alpha 3 version of the website, using **Git**, **Scrum**, and **Agile**, which focused on establishing a questionnaire connecting mentors and mentees, and intensively tested focusing on software accuracy.
- Utilized **Figma** to create and refine the website's front-end design, ensuring a visually appealing and user-friendly interface.
- Created a dynamic interface using **Vue**, **HTML**, **CSS**, **JavaScript**, integrating front-end radio buttons with backend-stored questions to enhance the user experience.

Image Morphing Computer Vision **Mar 2023 - June 2023**
- Implemented dynamic programming algorithms to find low and high contrast paths in images in (**Python**) to optimize image morphing, functionality utilizing computer vision algorithms, resulting in a 20% increase in processing speed.
- Leveraged technical expertise in **NumPy, Matplotlib** to streamline operations for image morphing tasks, boosting project capacity.
- Executed Python project for Image Morphing with adherence to all guidelines within a strict deadline of 100 hours.

EXPERIENCE / LEADERSHIP

Software Engineering Intern, Irvine, CA **July 2023 - Sept 2023**

Parker Hannifin
- Developed a **JavaScript** automation tool, streamlining testing and reducing system bugs by 98%, enhancing code reliability for future.
- Utilized **SharePoint 365**, **PowerApps** to optimize aerospace task management, crafting organizational tools for operations.
- Independently led initiatives, fostering collaboration to elevate software usability standards with aerospace teams.

Supplemental Instruction (SI) Leader, Glendale, CA **Feb 2022 - June 2023**

Glendale Community College
- Actively led weekly study sessions for **15**+ Java students, resulting in a 90% collective grade improvement by at least one letter grade.
- Promptly addressed 20 daily student inquiries, confirming students' understanding of assignments, and followed up to ensure clarity.
- Provided valuable support by assisting with homework, creating study guides, distributing worksheets, and offering practice exams.

Organizations Committee Senator at Student Government, Glendale, CA **Feb 2022 - June 2022**

Glendale Community College
- Led initiatives boosting student organizations' engagement and collaboration, increasing event participation across campus by 25%.
- Developed and implemented a comprehensive feedback system for student organizations, resulting in improved support and resources from the Student Government.
- Coordinated with campus departments to adapt event planning, easing the transition for students during COVID-19 resurgence.