

# Adrineh Khodaverdian

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## OBJECTIVES

Recent Computer Science graduate and Software Engineering Intern at Parker Hannifin with a strong foundation in software development, eager to contribute technical expertise and problem-solving skills as an Entry-Level Software Engineer.

## EDUCATION

### Master of Computer Science (Online)

Starting Aug 2024

Georgia Tech, Atlanta, GA

### Bachelor of Computer Science - Systems and Software

Jun 2024

University of California: Irvine - GPA: 3.848

- Coursework: Data Structures, Systems, Artificial Intelligence (AI), Computer Vision, Algorithm Analysis, Quality Assurance and Unit/Automated Testing, Networking, UI/UX, Functional Programming, Operating, Database Design, Information Retrieval

## SKILLS

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

**Developer tools:** Microsoft 365, Azure, PowerApps, PowerBi, Sharepoint, AWS, Agile, Firebase, Postman, Git, GitHub, PostgreSQL

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

## EXPERIENCE / LEADERSHIP

### Software Engineering Summer Intern, Irvine, CA

Jul 2024 - Present

Parker Hannifin

Jul 2023 - Sep 2023

- Learned how to use **SharePoint** and **Power Platforms** to design and develop tools, debugged existing tools for the CSO Engineering team, and created a more convenient UI.
- Added new buttons, customized the CSO Engineering managers' sites, and created navigation between pages. Frequently communicated with managers to ensure their satisfaction with the tools and interfaces.
- Participating in 10+ IT meetings to discuss and plan technical solutions, contributing to the migration from SharePoint to **ASP .NET**, and integrating with **Microsoft tools** such as **Power BI**, **Microsoft SQL Server**, and **Azure**.
- Working with **Active Directory** to streamline group management, and assign permissions for secure access control across tools.
- Creating and maintaining detailed documentation for 5+ **ASP .NET** tools.
- Improving workflow automation by developing and integrating 3 custom connectors in **Power Automate**, enabling efficient data exchange and process automation across multiple platforms.

### Supplemental Instruction (SI) Leader, Glendale, CA

Feb 2022 - Jun 2023

Glendale Community College

- Actively led weekly study sessions for **15+ Java** students, resulting in a 90% collective grade improvement.
- Addressed 20 daily **student inquiries**, providing solutions and **support**, relevant to course projects.
- Developed and utilized **study materials** such as **guides** and practice exams in content creation and clarity.
- Implemented **interactive teaching methods** that increased student engagement and comprehension of course materials.

## PROJECTS

### Search Engine

Apr 2024 - Jun 2024

- Successfully Built a robust search engine in **Python**, capable of handling **thousands of web pages in three major milestones**.
- Designed and implemented an inverted index and tf-idf scoring-based boolean retrieval system, achieving sub-100 ms query response times, resulting in efficient indexing and improved search functionality for thousands of web pages.
- Delivered a fully functional **interactive shell search interface**, enhancing the user experience with intuitive features.

### Full Stack Mobile Sleeper Tracker Application

Jan 2024 - Apr 2024

- Engineered 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**, interacting with backend 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 one week.