

JASON YOO

Summary

Full-Stack Software Engineer with a strong foundation in computer science and mathematics. Proficient in developing dynamic mobile apps and websites using JavaScript, Vue, React, and Python. Modernized 20+ university labs by converting them from Matlab to Python, increasing accessibility and developed a R package for data visualization. Passionate about challenging sophisticated problems and coming up with the efficient solution.

Experience

06/25 -	R pacakge project	Dr.Matloff
<ul style="list-style-type: none"> » Develop a package to draw decision boundaries for both parametric and nonparametric case using Delta method and Lagrange method. 		
06/25 -	MATLAB to Python conversion project	Dr.Goldman
<ul style="list-style-type: none"> » Convert labs from three courses written in MATLAB to Python. » Find equivalent functions in Python or implement them ourselves. 		
04/25 - 06/25	Teaching Assistant - Algorithm Design & Analysis	UC Davis
<ul style="list-style-type: none"> » Guided students during weekly office hours, reviewing assignments, quizzes and exams » Created grading rubrics and solution keys to grade assignments and provide constructive feedback » Managed the course Q&A platform (Piazza) to provide support students 		
01/25 - 06/25	Backend Developer - Dart	Social Impact
01/24 - 06/24	Backend Developer - Python, Vue.js	4point0.me
<ul style="list-style-type: none"> » Developed a website for UC Davis students with GPA Calculator, Scheduler » Implemented Login with Google API, Developed APIs for data handling » Tokenizing Requests for Security 		
01/24 - 06/24	Developer - C	Class Projects
<ul style="list-style-type: none"> » Shell - Simple shell project implementing piping, output redirection » Threads - Semaphore and preemption » File System (MSFAT) - Mounting/Unmounting and Reading/Writing 		
01/23 - 06/23	Frontend Developer - ReactNative	StudyGroupApp
<ul style="list-style-type: none"> » Developed a studygroup app with Calendar, ToDoList » Log in screen, Implementation of ToDo elements 		

Education

2024 - Present	Master's Degree - Computer Science	UC Davis
<ul style="list-style-type: none"> » GPA: 3.883 » LikeLion, Coding Club (January 2024 - Present) 		
2022 - 2024	Bachelor's Degree - Computer Science & Mathematics	UC Davis
<ul style="list-style-type: none"> » GPA: 3.946 » Dean's Honor List: Fall 2022, Spring 2023, Winter 2024, Spring 2024 » President of LikeLion, Coding Club (January 2023 - June 2024) » GDSC (Google Developer Student Club) (Junior year) 		