

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

## Education

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