

Youssef

Software Engineer

Youssef Elzein

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Education

California State University, Los Angeles / Computer Science MS

August 2023 - May 2025

California State University, Los Angeles / Computer Science BS

August 2020 - May 2023

GPA: 3.68

- Current Trends in Web Development
- Software Engineering
- Data Structures and Algorithms
- Database Systems
- Programming Paradigms

Projects

Moon Trek Telescope Integration / [Available on Github](#)

- A web application where users can upload pictures they take of the Moon with their telescopes and overlay data collected by Nasa and Jet Propulsion Laboratories on top of their image. A 3D model of the Moon, Earth, and Sun is also created so the user can observe their positions at the time the image was taken
- Updated the web app from Django to Express.js and Vue.js, along with modularizing repetitive code from before
- Worked closely with liaisons from JPL to enable new features such as pulling metadata from uploaded images and setting the proper position, rotation, and tilt of the Moon, Earth, and Sun

What's Due Canvas? / [Available on Github](#)

- A FireFox extension which allows users to check their Canvas assignments, quizzes, and exams without having to navigate to Canvas's website
- Worked on fetching the assignments, quizzes, and exams using Canvas web API and storing them in the browser's local storage
- Implemented methods of displaying data from browser's local storage to the extension's pop up window
- Helped team mates set up git branches and merged all their work

Skills

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- JavaScript
 - Node.js
 - Vue.js
 - React.js
 - Express.js
 - MongoDB

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- Python
 - Django
 - SQL
 - Git / Github
 - Linux
 - Bash