MIGUEL MENDOZA

Computer Science Teaching Assistant

CONTACT

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EDUCATION

Bachelor of Science
Computer Science
San Jose State University
September 2017 - May 2021
San Jose, CA

SKILLS

HTML
CSS
Javascript
React.JS
Redux
Angular.JS
Node.js
MaterialUI
WebGL
Bootstrap
MongoDB
Python
Ruby on Rails
PostgreSQL
jQuery

CERTIFICATIONS

AWS

WORK EXPERIENCE

Computer Science Teaching Assistant

San Jose State University

January 2018 - current / San Jose, CA

- Taught basic and upper-level undergraduate computer science and cybersecurity courses with class sizes averaging 35 students
- Conducted 1,000+ hours of scholarship research per departmental promotion and tenure guidelines
- Engaged with industry to maintain 100% fluency in focus and to provide opportunities for students to work on industry projects
- Assessed, assisted, and guided 30+ online adjunct CIS/CS faculty under the direction of the department chair
- Engaged in 1,000+ hours of professional development, following departmental guidelines

PROJECTS

StudyBuddyPlus

Creator

- current

- Directed user log-ins, ensuring they were presented with a dashboard displaying all study sets
- Supervised users, ensuring they had the ability to view their study sets and folders, in addition to creating new folders and study sets
- Built using Ruby on Rails, PostgreSQL, React.js, Redux, and jQuery

MolecularLegos

Creator

- current

- Designed full-stack web application that allowed students to build molecules through 3-D modeled atoms
- Created machine-learning database to predict and suggest completed molecules based on the number of specific atoms selected
- Used by K-12 and college professors to demonstrate molecular construction without the expense and hassle of physical pieces
- Built using Javascript, WebGL, HTML, CSS, Bootstrap, MaterialUI, and MongoDB