Rodolfo Rivera

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EDUCATION

Bachelor of Science in Computer Science (STEM) GPA: 3.57   07/21 – 05/24
California State University, Northridge
- Relevant coursework: Data Mining, Algorithm Design, Database Design, Machine Learning, Computer Architecture and Assembly, Discrete Structures, Advanced Data Structures, Computer Network

Scholarship
Trustee Steven G. Stepanek   01/23 - 01/24
- Awarded for exceptional academic achievement and conduct within the college.

PROFESSIONAL WORK

Geek Squad   Culver City, CA
IT Consultant   07/23 - Present
- Efficiently diagnose advanced client technology issues for over 2,000+ clients using specialty software and make solution-based repair recommendations to clients in a timely fashion.
- Set up clients' new technology, installed software, and conducted hardware backups.
- Quality-tested open box products or returned items from service center before returning them to sales floor.
- Facilitated repair queue management for client repairs, communications, and shipping/receiving for company and client property.

Tatum Games LLC   Los Angeles, CA
Software Developer Intern   01/23 – 05/23
- Solved 50+ bugs/tasks in both frontend and backend, using various methods such as recreating bugs and setting breakpoints, which helped over 500+ clients. Used Agile Development, Jira ticket management, participated in daily stand-ups and contributed to weekly planning and review meetings.
- Employed Jira along with story points for comprehensive task tracking and sprint planning, ensured efficient workflow and timely completion of development milestones.
- Spearheaded the development and optimization of the web application using JavaScript and PHP within the XAMPP environment, emphasized clean coding practices and performance enhancements with 5+ people.
- Utilized GitHub for version control and collaborative development, promoting high quality code through regular code reviews and updates.

PROJECTS

Earworm (Senior Capstone Project)   07/23 - 05/24
Lead Fullstack Engineer | React, JavaScript, Bootstrap, Firebase, HTML
- Built a web app with React, Firebase, and CSS. Tasked with user authentication and matching features; managed user data, signups and retrieved user data upon sign-in. Manipulated user data to match and filter potential matches based on different settings from user.

Home Price Prediction (R)
- Utilized machine learning and data mining techniques to train a linear regression model for predicting home prices in Los Angeles County. Developed a web crawler in R to scrape data from over 80,000 home listings, strategically bypassing bot protection measures. The collected data underwent thorough cleaning and preprocessing. The model was evaluated using k-fold cross-validation, achieving approximately 80% accuracy.

Code For a Cause Competition (JavaScript, Ionic)
- Participated in a coding competition sponsored by a few companies including Tatum Games LLC, and Northrop Grumman, where I collaborated with industry mentors to develop software for persons with disabilities; Earned 2nd place by creating an app using HTML, JavaScript, CSS, and Ionic to store prescription eye drop schedules.

Full Stack Open (React, JavaScript, NodeJS, Express, Ajax, MongoDB)
- Completed a comprehensive full stack course, gaining hands-on experience in developing front-end and back-end applications. Implemented authentication using JSON Web Token (JWT). Utilized Postman for API testing and debugging. Designed RESTful APIs in Node.js and Express, focusing on performance and reliability.

SKILLS

- Java, JavaScript, Python, C++, HTML, CSS, React Native, React, Ionic, Jira, GitHub, XAMPP, MySQL