

# Jacob Marquez

(949)610-9447 | [jacobmarq.github.io/Portfolio/](https://jacobmarq.github.io/Portfolio/) | [github.com/JacobMarq](https://github.com/JacobMarq) | [Jacobmarq@gmail.com](mailto:Jacobmarq@gmail.com)

## EDUCATION:

---

### Colorado Technical University

2020 - 2023

Bachelor of Science: Computer Science (GPA: 3.8/4.0)

### Relevant Courses:

Software Quality Assurance, Software Assurance, Software Service Construction, Fundamentals of Software Design, Principles of User Interface Design, Machine Learning, Object Oriented Methods, Big Data Analytics, Software Requirements, Parallel Computing, Operating Systems, Computer Algorithms, Database Systems, Cyber Security

## SKILLS OVERVIEW:

---

HTML 5, CSS 3, JavaScript ES6, Ruby, PHP, Python, Java, PostgreSQL, SQL, MySQL, ImDB2, Ruby on Rails, React w/ Redux, Bootstrap, Laravel, Android Studio, React Native, Struts, Git | GitHub | GitLab, Visual Studio, Linux, IntelliJ, SOQL

## PROFESSIONAL EXPERIENCE:

---

### IMS Integration

01/2023 - Present

Software Developer

Remote

- Crafted a comprehensive suite of scripts using Java and Python to revolutionize and enhance development process efficiency.
- Wrote scripts to achieve a 100% automation rate for SSL certificate renewal across a robust client list of 100+, resulting in a timesaving of over 100 maintenance hours annually.
- Successfully modernized and refactored primary legacy application, transitioning to the more robust and scalable AngularJS framework.
- Consistently spearheaded and completed 2-3 high-priority project implementations weekly, utilizing tools such as IntelliJ, MySQL, Java, GitLab, and PuTTY.
- Integrated Jest for front-end testing, which increased UI reliability and reduced production bugs by 25%.
- Meticulous debugging and querying via IBM Db2, MySQL, and SOQL databases.
- Expertly managed and facilitated client interactions across various platforms including Salesforce, Outlook, and through direct Zoom calls.

### Smarttwigs

02/2022 - 01/2023

Software Engineer (Intern)

Remote

- Collaborated closely with senior developers and received hands-on guidance, contributing to a 10% increase in project efficiency during the internship tenure.
- Led the front-end team in building interactive UI components with React and Redux, enhancing user experience and increasing page load speed by 40%.
- Assisted in refactoring segments of the application codebase under mentorship, promoting adherence to current industry standards and improving code readability by 10%.
- Aided in the integration of event analytics and data visualization tools, such as Mix panel, facilitating a 10% improvement in user data accuracy.
- Successfully adopted MVC, Mocking, RESTful services, and ORM patterns, which streamlined development processes and improved application performance.

# Jacob Marquez

(949)610-9447 | [jacobmarq.github.io/Portfolio/](https://jacobmarq.github.io/Portfolio/) | [github.com/JacobMarq](https://github.com/JacobMarq) | [Jacobmarq@gmail.com](mailto:Jacobmarq@gmail.com)

## ADDITIONAL EXPERIENCE:

---

### Python Iris Decision Tree Classifier

- Cross-Validation to ensure model accuracy is consistent across different dataset subsets
- Tree-Pruning to improving generalization to new data

### Python Credit Card Fraud Detection Algorithm

- Data Preprocessing, one-hot encoding
- Manual oversampling to balance classes
- Stratified Sampling and Adjusting the Classification Threshold to increase recall score
- Implemented cost-sensitive learning to address the imbalance in data representation

### Python Newegg Web Scraper

- Data collection, either individually or categorically, from Newegg.com
- Exports formatted data to JSON/CSV

### The-Blog-Spot Social App - Rails | PostgreSQL | JS | HTML | CSS | Bootstrap 4

- Integrate with 3<sup>rd</sup> party vendor to handle image hosting
- Deep DB relationships to handle conversation threads, likes/dislikes, and other common social media style functionality

### Stained-Glass-CW Business Site - React | JS | HTML | CSS | Adobe Illustrator

- Custom Icons made in Ai.
- Google Captcha for security