Mark Mathew

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Linkedin: www.linkedin.com/in/mark-mathew/ **| Portfolio:** https://markm-99.github.io/ **| Github:** https://github.com/markm-99

SKILLS:

- Proficient in Python, JavaScript
- Experience with React.js, Node.js, HTML5, CSS, Figma, Linux, SQL, Postman, UI/UX Design, Unit Testing, Git, Gitlab
- Familiar with Software Development Lifecycle (SDLC), REST APIs, AJAX, Agile, Jira, Flask, Docker

EXPERIENCE:

Software Engineer - *Maxar Technologies (Space Systems Loral)*   **June 2021 – Present**
- Developed Python scripts automating satellite command verification, saving 250 hours and $50K in company expenses
- Implemented unit testing across three different satellites, resulting in a 95% reduction in post-deployment errors
- Achieved 30% improvement in scenario performance through unit testing, code optimization, and defect management
- Automated test reports using Python, resulting in a 55% increase in telemetry and command validation performance
- Enhanced security and usability by migrating technical documentation and repositories from a legacy platform to Gitlab
- Utilized Agile methodologies with Jira and Confluence to manage sprint progress, identify project constraints, and devise effective strategies for optimizing team performance

Software Engineer Intern - *Maxar Technologies (Space Systems Loral)*   **May 2020 – August 2020**
- Introduced a Python command-line tool to automate process termination, upgrading simulation performance by 20%
- Optimized process automation by eliminating defunct processes, resulting in a 15% performance increase
- Collaborated with Scrum Master, formalized meetings, and instilled agile principles to a team of 12 interns

Software Engineer Intern - *SpotMe Solutions*   **June 2018 – May 2020**
- Collaborated with cross-functional team of eight to launch a mobile parking app adopted by 3000 users and retained 75%
- Developed a React.js UI with a login page, button drawer navigation, markers, and location tracking using Google Maps API
- Utilized Tableau and Google Analytics to scrutinize A/B test results, resulting in a 35% upswing in customer transactions
- Leveraged SQL to conduct data analysis and identify valuable insights for guiding the development of new features
- Achieved an monthly time-saving average of five hours on parking and reduced car burglaries by 50%, resulting in a 25% monthly growth in new user acquisition

Regional Manager - *StartSmart Tutoring*   **April 2016 – May 2018**
- Designed a tutoring website with JavaScript, HTML5, and CSS, leading to a 70% increase in client base
- Addressed student knowledge gaps by recruiting a network of skilled tutors, resulting in a 40% lift in student performance
- Customized learning roadmaps for 20 students, ensuring academic success, career readiness, and addressing individual pain points

PROJECTS:

Klout Social Media Analytics App - *Front-end Developer and Product Manager*   **January 2021 – May 2021**
- Collaborated with a team of eight to develop a web and mobile app tracking social media analytics
- Introduced Selenium testing to enhance product quality and reliability, resulting in a 25% boost in error detection.
- Facilitated daily scrum meetings to ensure effective communication and meet project milestones
- Refined product design by creating wireframes, mockups, and prototypes for both mobile and web platforms using Figma

Pistachio Donation App, SJSU Hackathon (2ⁿᵈ Place) - *Front-end Developer and UI/UX Designer*   **May 2019**
- Teamed up with a group of four to create a mobile app providing financial assistance to San Jose's homeless population
- Devised monetization strategies in line with product vision and created user authentication page with React.js
- Revamped UI/UX design through wireframe designs, mockups, and app prototypes using Figma

SJSU Robotics Team, Mission Control Website - *Lead Front-end Developer*   **September 2018 – January 2019**
- Led a team of five to launch a React.js website used for National Robotic Competitions for an audience of 500+ members
- Managed web traffic using Google Analytics to gauge user interest in tracking robot feature completion
- Demonstrated strong debugging and problem-solving skills to meet fast-paced deadlines on a bi-weekly basis

EDUCATION:

San Jose State University   **May 2021**
Computer Science, B.S.   **Honors**: Cum Laude, President's Scholar

Related Coursework:
Data Structures & Algorithms, Server-Side Programming, Advanced Python, Object Oriented Programming, Operating Systems