

Corey Taylor

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SUMMARY

Software engineer with real-world expertise in conceptualizing, creating, and deploying cutting-edge software solutions. Passionate self-learner with drive who focuses on collaborating with various cross-functional teams to improve user experience and boost application scalability, maintainability, and performance.

EDUCATION

- Bachelor of Science in Software Engineering, California State University, San Marcos **May 2023**
- Master of Science in Computer Engineering, San Diego State University **Expected December 2024**

RELEVANT COURSEWORK

- **Computer Science:** Assembly Language and Digital Circuits, Data Structures and Algorithms, Database Management Systems, Programming Languages, Web Programming, Cloud Computing, Operating Systems
- **Software Engineering:** Intro to Software Engineering, Software Requirements and Design, Software Testing and Quality, Software Architecture, Software Project Planning and Management, Senior CapStone Project
- **Computer Engineering:** Embedded Operating Systems and Machine Learning for Engineers

SKILLS

- **Engineering:** Product Roadmap, Backend & Infrastructure, Cloud Architecture, API Design & Implementation, RESTful Web Services, Microservices, Frontend & UI/UX, Software Design & Coding, Testing & Code Coverage, CI/CD, DevOps, Software Quality, Scalability, Performance, Reliability, Automation, Code Reviews, Documentation
- **Leadership:** Strategic Planning & Execution, Project Management, Process Improvement, Collaboration
- **Software:** HTML, CSS, JavaScript, TypeScript, React.js, Node.js, Python, SQL, Java, C++, C, Git, AWS

PROJECTS

Aztec Credit Union

August 2023 - Present

- Implemented routing using react-router-dom to efficiently configure page routing with React components.
- Developed several page components and designed their corresponding UI.
- Designed the UI components of the application to be responsive with both mobile and web browsers.
- Actively participate in agile development sprints, to support continuous development and improvement.
- Leveraged GitHub's project management tools, such as GitHub Issues and Milestones.

ProUML

August 2022 - May 2023

- Developed and maintained the front-end of ProUML, a collaborative UML diagramming and translation tool.
- Participated in designing the architecture of the app's parsing API, which uses Regex and internal logic to clean and organize Java code into a JSON that is specific to UML design.
- Used React, TypeScript, and Tailwind CSS to create a modern and responsive user interface.
- Collaborated with a cross-functional team of three, which included writing documentation and using the Agile method to efficiently manage the full-scale development of the project.
- Utilized Git and GitHub for version control, to support a collaborative and organized development environment.
- Contributed to the enhancement of user experience through innovative front-end solutions.

EXTRACURRICULAR ACTIVITIES

Vice President, Institute of Electrical and Electronics Engineers

August 2022 - May 2023

- Established new relationships with organizations to secure funding for student projects and concepts.
- Contributed toward planning and management of hosted workshops, which included industry partners, faculty members, and/or volunteer guest speakers to help students with networking and learning technical concepts.
- Coordinate and organize CapStone showcases for students to display their work to industry recruiters.

Secretary, Tikkun Olam Makers

August 2022 - May 2023

- Conduct weekly meetings with students to create engineering solutions for neglected communities.
- Collaborate with a cross-functional team to organize career advancement workshops.