

Corey Taylor

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EDUCATION

- M.S. in Computer Engineering (Emphasis in Embedded Systems), San Diego State University
- B.S. in Software Engineering, California State University, San Marcos

EXPERIENCE

General Atomics - Embedded Software Engineering Intern

June 2024 -

- Refactored code and added functionality using XAML and C#
- Developed new structures in C and worked with .batch files for automation tasks
- Connected and configured GigE cameras through TCP/IP, improving system integration
- Collaborated on software architecture designs using state diagrams and created documentation for features
- Demonstrated working applications to stakeholders, showcasing implemented features and improvements

PROJECTS

ProUML

August 2022 - May 2023

- Developed pages and API's in the front-end of ProUML, a collaborative UML diagramming and translation tool
- Used React, TypeScript, and TailwindCSS to create a responsive user interface
- Led a team of three in writing documentation and using the Agile method to efficiently manage the project
- Used Git and GitHub for version control, to support a collaborative and organized development environment

SKILLS

- **Technical:** HTML, TailwindCSS, JavaScript, React.js, Node.js, Python, MySQL, C++, C, Git
- **Engineering & Leadership:** Product Roadmap, Web Design, Backend Functionality, Software Design & Coding, Testing & Code Coverage, CI/CD, Code Reviews, Documentation, Strategic Planning & Execution, Project Management, Process Improvement, Collaboration

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

RELEVANT COURSEWORK

- **Computer Science:** Assembly Language and Digital Circuits, Data Structures and Algorithms, Algorithm Analysis Design, Algorithms for Big Data, 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/Electrical Engineering:** Embedded Operating Systems, Machine Learning for Engineers, Multimedia Comm Systems, Multimedia Wireless Networks, Antennas & Propagation, Digital Communications