Steven Sousa

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Summary

Motivated and enthusiastic Entry-Level Software Engineer with a strong foundation in software development, debugging, and problem solving. Skilled in identifying and resolving technical challenges while providing high-quality and reliable software solutions. Interested in leveraging my technical experience and collaborative mindset to support team objectives and contribute to organizational success.

Skills

Programming Languages	Python, JavaScript, Java, C, SQL, HTML, CSS	**Databases**	MySQL, PostgreSQL, MongoDB
		DevOps and Cloud	Docker, Kubernetes, AWS, GCP
Frameworks and Libraries	Node.js, Express.js, React.js, Django, Flask, Bootstrap	**Tools and Technologies**	Git, REST APIs, CI/CD, Agile, MS Power BI, MS Office Suite
		Operating Systems	macOS, Windows

Experience

Tech Etch Inc.   **Aug 2022 – Present**
Engineering Administrator

– Designed and developed a dashboard webpage to centralize published Power BI reports, enhancing company-wide visibility and accessibility to decision-making data. (Project FOIA).
– Automated daily reporting task, reducing the manual effort by 100% through Power BI.
– Developed and maintained numerous critical Power BI reports and dashboards, providing actionable insights to the Executive Team, Operations, and cross-functional departments to drive data-driven decisions.

Tech Etch Inc.   **Aug 2021 – Aug 2022**
Quality Control Inspector

– Conducted First Article Inspection Reports (FAIRs) utilizing vision system equipment, ensuring compliance with quality standards and specifications.
– Reviewed and validated programs for vision system equipment to ensure accuracy and readiness for production.
– Collaborated with inspectors to identify and resolve program errors, optimize system performance, and maintain quality standards.

Tech Etch Inc.   **May 2018 – Aug 2021**
Photo-Etch Video Inspector

– Programmed vision system equipment for precise and efficient dimensional sorting of parts, improving production accuracy and efficiency.
– Mentored employees on how to program and utilize vision system equipment, ensuring consistent adherence to quality standards, procedures, and efficiency.

Education

Bridgewater State University
Bachelor of Science in Computer Science   *GPA: 3.94/4.00*

– Dean's List distinction from the Bartlett College of Science and Mathematics.
– Recipient of the Massachusetts High Demand Scholarship.
– Coursework: Software Engineering, Web App Development, Operating Systems, Machine Learning, Intro to AI, Databases, Networks, Analysis of Algorithms, Cloud Computing, Senior Design and Development.

Cape Cod Community College
Associate of Arts in Computer Science   *GPA: 3.73/4.00*

– Coursework: Object-Oriented Programming 1 & 2, Data Structures & Algorithms, Computer Architecture, Procedural Programming, Intro to Computer Systems.

Projects

Personal Portfolio Website
HTML, CSS, JavaScript

– Developed a responsive, interactive, and animated personal portfolio website to showcase projects, skills, and experiences.

YelpCamp!
HTML, CSS, Bootstrap, JavaScript, MongoDB, Node.js, EJS, API

– Developed a feature-rich capstone project for the Web Developer Bootcamp 2024 on Udemy, empowering users to create, view, review, and edit campgrounds. Implemented secure account creation and authentication to enhance user experience and data security. Leveraged Node.js and MongoDB (hosted on MongoDB Atlas) for scalable back-end functionality, integrated Mapbox for interactive mapping features, and used EJS for dynamic templating. Deployed the application on Render for reliable hosting.

Soccer
HTML, CSS, Bootstrap, JavaScript, PostgreSQL, Node.js, API

– Developed a dynamic full-stack web application using Express.js and PostgreSQL, integrating ESPN APIs to deliver real-time updates on soccer tournaments. Implemented secure user authentication and a responsive, user-friendly interface with Bootstrap, driving increased user engagement. Deployed the application on Render for reliable hosting, ensuring scalability and performance.

FOIA
HTML, CSS, Bootstrap, JavaScript, LocalStorage

– Developed an interactive, responsive, mobile-friendly webpage to enhance company visibility of published Power BI reports. Implemented a custom search bar for efficient report retrieval and used LocalStorage, allowing users to save preferences and personalize their experience. This project streamlined report management and improved accessibility for stakeholders.

Population History
Python, Flask, Bootstrap, Jinja, JavaScript, Pandas, Scikit, Statsmodels, Matplotlib

– Developed a user-friendly Flask web application leveraging Bootstrap and Jinja to analyze demographic trends using machine learning techniques and predictive modeling with ARIMA models, linear regression, and k-means clustering.