Steven Sousa

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Skills

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

- Reviewed and validated programs for vision system equipment to ensure accuracy and readiness for production.
- Collaborated with inspectors to identify and resolve program errors before releasing to production.

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

- Programmed vision system equipment for precise and efficient dimensional sorting of parts.
- Mentored employees on how to program and utilize vision system equipment.

Projects

Personal Portfolio Website ↗
HTML, CSS, JavaScript

- Constructed a responsive and interactive personal portfolio website to showcase projects, skills, and experiences.

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

- Developed a web application that allows users to create, view, review, and edit campgrounds.
- Implemented MapBox for location visualization of created campgrounds.

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

- Created a dynamic web application integrating ESPN APIs to deliver real-time updates on soccer tournaments.

Power BI Dashboard
HTML, CSS, Bootstrap, JavaScript, LocalStorage

- Built an interactive, responsive, mobile-friendly webpage to enhance company visibility of published Tech Etch Power BI reports.
- Leveraged LocalStorage to save user customization preferences.

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

- Implemented a web application that analyzes and predicts demographic trends using machine learning algorithms.

Education

Bridgewater State University   **Sep 2023 - May 2025**
Bachelor of Science in Computer Science   *GPA: 3.94/4.00*

Cape Cod Community College   **Sep 2020 - Dec 2022**
Associate of Arts in Computer Science   *GPA: 3.73/4.00*