

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