

Steven Sousa

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Skills

Languages: Python, JavaScript, Java, C, SQL, HTML, CSS

Frameworks and Libraries: Django, Node.js, React.js, Flask, Bootstrap

Databases: PostgreSQL, MySQL, MongoDB

DevOps and Cloud: Docker, GitHub Actions, GCP, AWS

Tools and Technologies: Git, REST APIs, CI/CD, Agile, MS Power BI

Experience

Engineering Administrator, Tech Etch Inc. – Plymouth, MA Aug 2022 – Present

- Designed a webpage to unify scattered Power BI reports, integrating them into one platform, boosting data visibility.
- Automated a daily reporting process using Power BI, eliminating “100%” of manual effort and saving 31 hours yearly.
- Developed critical Power BI reports to support decision-making, delivering actionable insights to executives and staff.

Quality Control Inspector, Tech Etch Inc. – Plymouth, MA Aug 2021 – Aug 2022

- Reviewed vision system programs to ensure readiness, validating them and improving production accuracy.
- Collaborated with inspectors to address program errors, resolving issues and ensuring flawless production releases.

Photo-Etch Video Inspector, Tech Etch Inc. – Plymouth, MA May 2018 – Aug 2022

- Programmed vision system equipment to enable precise data retrieval, enhancing efficiency and greater throughput.
- Mentored employees to write efficient vision system programs, boosting efficiency.

Projects

Resume Builder (Under Development) github.com/stevensousa67/Resume-Builder (Private)

- Built a full-stack Django app with PostgreSQL and Google Gemini API, enabling tailored resume creation for users.
- Added a feature for multiple profiles per user, supporting role-specific resumes.

YelpCamp! yelpcamp.stevensousa.com

- Created a full-stack Node.js app with MongoDB, letting users create campgrounds and view campgrounds.
- Integrated MapBox for campground location visualization.

Soccer soccer.stevensousa.com

- Developed a full-stack Node.js app with PostgreSQL and ESPN APIs, delivering tournament updates and user accounts.
- Users can select a preferred tournament and team, allowing for more precise information tailoring.

Power BI Dashboard

- Built an interactive, responsive, mobile-friendly webpage to enhance company visibility of published Power BI reports.
- Implemented a search feature and LocalStorage to save user interface customizations.

Population History github.com/stevensousa67/Population_History

- Built a web app using Python and machine learning, analyzing demographic trends with regression models.

Education

Bridgewater State University – BS in Computer Science

May 2025

Cape Cod Community College – AA in Computer Science

Dec 2022