Danny Sibley

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Summary: I'm an experienced engineer in the semiconductor industry with a background in physics. Recently graduated from Nucamp's Back End Developer Bootcamp which entailed 400+ hours of coding and covered Python, SQL, ORM, database architecture, RESTful API's, DevOps, SDLC, Git, CI/CD, Docker, GitHub Actions and cloud deployment with AWS, GCP and Azure.

Skills

Languages: Python, HTML, MATLAB, Bash
Frameworks: Flask, SQLAlchemy
Databases: SQL, PostgreSQL
Libraries: NumPy, Pandas, Scikit-learn, matplotlib, Seaborn
Testing: pytest, unit test
DevOps: Docker, GitHub Actions, CI/CD, SDLC, Agile, Heroku
Cloud: AWS, GCP, Azure
Data Analysis: Google Analytics, statistical analysis, error propagation, data modeling creation

Projects

Machine learning model developed with python using Numpy, Pandas, and Scikit-learn. Project involved gathering 3000+ data entries, cleaning the data, performing data analysis and visualization, and creating several linear regression models. I built the webpage with html, css and bootstrap. The back end was built with Flask. Project was managed with GitHub and deployed though Heroku. Live demo here: https://danny-sibley-mlproject.herokuapp.com/

Travel blog site created with Python (Flask), PostgreSQL, SQLAlchemy, HTML, CSS, and Bootstrap. The site allows users to register, login, create posts, update and delete their own posts, and update their account with images. CI/CD pipeline with GitHub actions and Heroku. Live Demo here: https://parenting-with-passports.herokuapp.com/

Education

Nucamp Back End Coding Bootcamp	Graduated March 2022
400+ hours of coding and covered Python, SQL, and cloud services	
University of Washington – Seattle, WA	Graduated Summer 2016
Bachelor of Science in Physics (Applied)	
Justus Liebig University – Giessen, Germany	September 2015 – July 2016
Foreign exchange student in the Physics Department	

Related Work Experience

Field Service Engineer III at Tokyo Electron   May 2017 - March 2022
- Promoted to lead engineer and supervised a group of 14 other engineers.
- Used technical knowledge and mechanical experience to troubleshoot various issues in the manufacturing process.
- Performed measurements with high precision on machines to gather useful data, perform analysis and make informed decisions.
- Knowledge and advanced troubleshooting skills in chemical, software, pneumatic, electrical and robotic systems.