Taylor Hood

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TECHNICAL SKILLS

Languages - Javascript, Python, SQL, PostgreSQL, HTML, CSS
Libraries - React, React Testing Library
Frameworks / Tools - Node, Express, Jest, Flask, SQLAlchemy, unittest, VSCode, Git, Github

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SOFTWARE ENGINEER EXPERIENCE

TECHNICAL PROJECTS

Jobly   [Live Demo](#) | [Github](#)
- Express backend that handled authentication and authorization via middleware
- Single page React frontend, incorporating local storage for persistent user experience.

Warbler   [Live Demo](#) | [Github](#)
- Server side rendered mock Twitter site built using Python, Flask, and PostgreSQL
- Added authentication/authorization to RESTful API routes
- Protected passwords in database with Bcrypt hashing function
- Managed database interactions through Python ORM SQLAlchemy

NumbersAPI
- Server side API built with a React frontend and Flask backend
- Managed database interactions through Python ORM SQLAlchemy
- Created a ETL script to transfer and transform large data files
- Implemented a popularity algorithm for trending items
- Added documentation and automated testing via unittest

ADDITIONAL WORK EXPERIENCE

Data Pipeline Practitioner/Lab Data Manager   January 2020 – January 2022
Invista   Orange, TX
- Engineered server architecture, data pipelines, and databases for global processes.
- Monitored and moderated sample trends to derive potential areas of concern or improvement.
- Trained and mentored end users on various tools to promote overall operational excellence.
- Created an innovative dashboard alerting in relation to key performance indicators.

Instrumentation and Calibration Technician   February 2018 – January 2020
Invista   Orange, TX
- Maintained, calibrated, and repaired GCs, HPLCs, ICs, XRFs, TOCs, UV-Vis, ICPs, and KF titrators.
- Augmented operational policies and protocols to retain adherence to ISO 9001 standards.

Lab Technician   September 2015 – January 2018
Citgo   Sulphur, LA
- Ran quality control testing on lab samples and verified input data
- Communicated with site units and generated Certificates of Analysis when product was within standard limits

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EDUCATION

Rithm School   May 2022 – September 2022
Full Stack Web Development Bootcamp   San Francisco, CA

McNeese State University   August 2013 – December 2018
M.Sc. Degree in Chemistry and Environmental Science   Lake Charles, LA