

Taylor Hood

San Francisco, CA | 337-263-0327 | taylordannhood@gmail.com | [LinkedIn](#) | [Github](#)

TECHNICAL SKILLS

Languages - Javascript, Python, SQL, PostgreSQL, HTML, CSS

Libraries - jQuery, Jest, Bootstrap, React Testing Library

Frameworks / Tools - Node, Express, React, Flask, SQLAlchemy, AWS, VSCode, Git, Github, Insomnia

SOFTWARE ENGINEER EXPERIENCE

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

TECHNICAL PROJECTS

Jobly

- Express backend that handled authentication and authorization via middleware
- Single-page React frontend, incorporating local storage for persistent user experience.

[Live Demo](#) | [Github](#)

Warbler

- 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

[Live Demo](#) | [Github](#)

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

Full Stack Web Development Bootcamp

May 2022 – September 2022

San Francisco, CA

McNeese State University

M.Sc. Degree in Chemistry and Environmental Science

August 2013 – December 2018

Lake Charles, LA