

TODD M. STALLWORTH

CONTACT

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🏠 [Portfolio](#)

SKILLS

Python - Django, Flask, Pandas, NumPy, Pytest, Selenium

C/C++ - SFML

JavaScript - Express.js, Angular.js, Node.js, Vue.js, NPM

HTML & CSS

Jupyter Notebooks

Ansible Playbook & Bash Scripting

Database - SQL, MongoDB, PostgreSQL, SQLAlchemy

Nginx & uWSGI Server

LXD & Docker

Computer Architecture, Data Structures & Algorithms

EDUCATION

CERTIFICATION

Algorithms, Data Structures, System Design

AlgoExpert.io
March 2023

CERTIFICATION

Full Stack Developer
Coding Dojo
2018-2019

ASSOCIATES

General Studies
Big Bend Community College
2010-2012

EXPERIENCE

Software Developer | Outlier.ai | Remote | May 2024 - Current

Developer on the Flamingo Team; SQL Pipeline Specialist focusing on multi-turn deviations in SQL, prompt writing and query testing.

- Thoroughly tested and/or created SQL queries to ensure accuracy, reliability and adherence to requirements.
- Created and maintained comprehensive documentation for SQL pipelines, queries and processes achieving no negative feedback from the Quality Assurance (QA) team.

Software Developer | Parthenon Software | Vancouver, WA | March 2024 - May 2024

Developer on the Lifebalance Team; I enhanced front-end and back-end systems, leading to improved performance and reduced costs. Developed custom solutions and automated deployments, increasing user engagement and operational efficiency.

- Improved database call efficiency by 25% by implementing SQLAlchemy ORM and optimized data retrieval and storage processes with Elasticsearch.
- Scraped data from clients using Selenium, formatted it with Beautiful Soup, and successfully integrated records into a PostgreSQL database, reducing data processing time by 90%.
- Developed an in-house chatbot for tracking user activity and managing work hours, integrating Ollama AI to enhance interactivity and productivity. Implemented a reminder feature that improved compliance with time-tracking.
- Configured an LXC container with Nginx, Django and PostgreSQL; successfully launching a learning platform with high performance, scalability, and secure data management.
- Streamlined course and class management by implementing a user-friendly interface in Django Admin, resulting in a 50% reduction in data entry time.
- Automated deployment workflows with Ansible scripts and uWSGI Server, reducing deployment times by 60% and minimizing manual errors.

Contract Scripting | Contractor | Remote | June 2020 - March 2023

Designed and executed scripts on a contractual basis servicing all clients. Supported data analysis, optimized database queries, and reporting tools.

- Assisted in optimizing SQL queries, boosting database query performance by 15%.
- Collaborated on HTML/CSS improvements for internal reporting tools, enhancing user experience and achieving a 25% increase in user satisfaction ratings.
- Utilized Bokeh library for data visualization techniques to translate intricate client data into impactful visual representations.
- Generated scripts to parse and extract information from PDF documents exporting to Excel.

Software Engineer | Certifit | Renton, WA | December 2021 - November 2022

Designed, deployed and managed a Continuous Integration system.

- Developed, designed, and tested high-quality software features for the company's web-based application using Python, Django, and PostgreSQL.
- Applied a comprehensive test Pytest and Selenium increasing test coverage and reducing bugs.
- Created unit integration tests with Pytest, resulting in automatic checks on software system faults and code quality, which reduced the number of bugs by 25%.

Front End Developer | State Construction | Kent, WA | December 2019 - December 2021

Worked on construction sites helping in the office with booking and IT development.

- Built an application with Python Flask microservices architecture that recorded user input and experiment participant responses.

PROJECTS

FINGER COUNTER [\[LINK\]](#)

Tech Stack: Python, JupyterLabs, OpenCV, Scikit-Learn

- Utilized OpenCV as a proof of concept, captured a moving image of the user's hand(Exposure Correction) distinguished between the fist and the fingers(Segmentation), having an active window to display the amount of fingers held up(Segmentation) .