TODD M. STALLWORTH

CONTACT

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✉️ Email

📍 Renton, Wa

in LinkedIn

⬢ Portfolio

SKILLS

Python - Django, Flask, Pandas, NumPy, Pytest

C/C++ - SFML

JavaScript - Expres.js, Angular.js, Node.js, NPM

HTML & CSS

Jupyter Notebooks

Docker

Database - SQL, MongoDB, PostgreSQL

Computer Architecture, Data Structures & Algorithms

Git/Github

Windows and Linux

EDUCATION

CERTIFICATION
Algortithms, Data Structures, System Design
AlgoExpert.io
March 2023

CERTIFICATION
Full Stack Developer
Coding Dojo
2018-2019

ASSOCIATES DEGREE
General Studies
Big Bend Community College
2010-2012

EXPERIENCE

Contract Scripting | Contractor | Renton | June 2020 - Current
Designed and executed scripts on a contractual basis servicing all clients. Supported data analysis, optimized database queries, and reporting tools.
- Leveraged Excel for efficient data analysis, contributing to a 20% reduction in report generation time.
- 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, facilitating seamless exportation into Excel for data analysis.

Private Tutor | Contractor | Renton | June 2020 - Current
Tutored students in several categories helping with homework and assignments.
- Mentored in Data structures, algorithms, SOLID principles and web development.
- Mentored 3 junior software developers, resulting in a 40% improvement in their programming skills and the successful completion of 3 major projects.

Software Engineer | Certifit | Renton | 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 suite using Pytest, arising in a 30% increase in test coverage and a 50% reduction in bugs.

Front End Dev. | State Construction | Renton|December 2019 - December 2020
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, producing a 30% increase in data accuracy and a 20% decrease in response time.
- Created custom clean markup with HTML5 and CSS3 flexbox grids, ensuing a 15% increase in user engagement.

Software Dev. Student | Coding Dojo | Bellevue | September 2018 - December 2018
Completed assignments while assisting during code reviews and algorithm practice.
- Engineered CRUD (Create, Read, Update and Delete) web apps in Python (Django, Flask), Java (Spring Boot) and JavaScript (MongoDB, Express, Angular, Node)
- Converted a Desktop Application into a Web based Application using HTML5, CSS and JavaScript to implement the front-end and Java's Spring Framework to implement the backend.
- Learned HTML5, CSS, JavaScript, Python, Java and MEAN Stack

PROJECTS

TITANIC SURVIVORS [LINK]
Tech Stack: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Machine Learning
- Implemented basic deep learning theory (Convolutional Neural Network) by feeding A.I. a training set (Feature Learning) followed by a test set(Classification).

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) .