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
Algortihms, 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.
- Utilized Bokeh library for data visualization techniques to translate intricate client data into impactful visual representations.
- Built an API using Django that successfully transcribed, translated, and analyzed 50+ audio files per day.
- 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.
- Organized weekly recitations that covered complex topics in algorithms and web development, contributing to a 30% increase in student performance.
- 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 Developer|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.

Vocational Student | Coding Dojo | Bellevue | September 2018-December 2018
Completed assignments while assisting during code reviews and algorithm practice.
- 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
- Engineered CRUD (Create, Read, Update and Delete) web apps in Python (Django, Flask), Java (Spring Boot) and JavaScript (MongoDB, Express, Angular, Node)

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) .

STUDY GUIDE [LINK]
Tech Stack: HTML, CSS JavaScript, Pug.js, Express.js, body-parser, cookie-parser
- Crafted Full Stack application using mongo.db, express.js angular and node.js