


# TODD M. STALLWORTH

## CONTACT

 (360) 846 - 8504

 [Email](#)

 Renton, Wa

 [Linkedin](#)

 [Portfolio](#)

## SKILLS

Python - Django,  
Flask, Pandas,  
NumPy, Pytest

C/C++ - SFML

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

HTML & CSS

Jupyter Notebooks

Bash Scripting

Database - SQL,  
MongoDB,  
PostgreSQL,  
SQLAlchemy

Nginx 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 DEGREE

General Studies  
Big Bend Community  
College  
2010-2012

## EXPERIENCE

Software Developer | ParthenonSoftware Group | Vancouver | March 2023 - Current  
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% through the implementation of SQLAlchemy ORM, optimizing data retrieval and storage processes.
- Consistently completed 80% of assigned tickets ahead of schedule, leading to a 15% reduction in project costs for clients.
- 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.
- Streamlined course and class management by implementing a user-friendly interface in Django Admin, resulting in a 50% reduction in data entry time.
- Configured an LXC container with Nginx and Django, successfully launching a Teacher-Student style website that improved user interaction by 35%.
- Automated deployment workflows with Ansible scripts, reducing deployment times by 60% and minimizing manual errors.

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.

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.
- Mentored in Data structures, algorithms, SOLID principles and web development.

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.

Vocational Student | Coding Dojo | Bellevue | September 2018 - December 2019

Completed assignments while assisting during code reviews and algorithm practice.

- Created CRUD (Create, Read, Update and Delete) web apps in Python (Django, Flask), Java (Spring Boot) and JavaScript (MongoDB, Express, Angular, Node)

## 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) .