

TODDNEAL M. STALLWORTH

SOFTWARE ENGINEER

CONTACT



(360) 846 - 8504



[Email](#)



Renton (Washington)



[LinkedIn](#)



[Portfolio Website](#)

SKILLS

Python - Django, Flask,
Pandas, NumPy

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

Java - Spring Boot

C/C++

HTML & CSS

Database - SQL,
MongoDB

Docker

Shell Scripting

CI/CD Pipeline Automation

AWS & Heroku

Computer Architecture,
Data Structures &
Algorithms

Git/Github

Windows and Linux

EDUCATION

CERTIFICATION

Big Data with Apache
Spark and PySpark
Udemy
June 2022

CERTIFICATION

Computer Vision and
Deep Learning
Udemy/Jose Portillo
June 2020

CERTIFICATION

Automated Software
Testing w/Python
Udemy
March 2020

CERTIFICATION

Full Stack Developer
Coding Dojo
2018-2019

ASSOCIATES DEGREE

General Studies
Big Bend Community
College
2010-2012

EXPERIENCE

Software Developer Engineer Test

Certifit | Renton | December 2021-November 2022

Design, deploy and manage Continuous Integration system.

- Administer continuous integrations (CI) delivery and automation tools using Jenkins.
- Participated in agile development environment, morning scrums and weekly sprints
- As a proof of concept, automated multiple test cases using the selenium library and developed Libraries. Utilized the Page Object Pattern when developing test cases
- Wrote detailed documentation which explains the use of the developed libraries, the selenium libraries and Page Object Pattern to automate test cases
- Led five learning sessions to train the QA team about the use of the Page Object Pattern and the Selenium Library to automate test cases for the applications they support.
- Attended weekly learning sessions on tools that help in facilitating DevOps practices such as Git, Jira, Maven, Bamboo, Docker and Ansible

Tutor / Contract Scripting

Contractor | Renton | June 2020 - December 2021

Tutored students in several categories helping with homework and assignments.

- Using Django I developed an API that can transcribe, translate and analyze audio files.
- Transcribed 4000 audio dataset using commercial transcription API's (Google, Azure, Watson) to compare the transcription accuracy amongst them and other open source transcriptions models such as DeepSpeech
- In the process of developing a model capable of transcribing localized languages used in rural areas which are not supported by commercial transcription API's

Front End Software Developer

State Construction | Renton | December 2019 - December 2020

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

- Build application with Python Flask microservices architecture that efficiently records user input and experiment participant responses
- Develop custom clean markup with HTML5 and CSS3 flexbox grids
- Create unit integration tests with Pytest, resulting in automatic checks on software system faults and code quality
- Wrote scripts to automate department efficiency and reduce strain of repeatable tasks.

Vocational Student

Coding Dojo | Bellevue | September 2018 - December 2019

Completed assignments while assisting during code reviews and algorithm practice.

- Participated in morning scrums and bi-weekly sprints
- 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
- Peer Programming Group tasks to design a project using Git to collaborate.
- Created 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

- Machine Learning model used to predict chances of survival on the Titanic Ship.
- Implemented basic deep learning theory (Convolutional Neural Network) by feeding A.I. a training set (Feature Learning) followed by a test set (Classification).

QUOTES WALL [\[LINK\]](#)

Tech Stack: Django, HTML, CSS PostgreSQL, Pandas, DataReader, Bokeh

- Django app created to capture, view and edit users' favorites quotes.
- User profile customization, registration and password authentication. Data entities are modeled with Django ORM deployed on AWS.

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

- App created as a study guide; Asks users randomized JavaScript questions.
- Developed both the back end and the front end using mongo.db express.js angular and node.js