TODDNEAL M. STALLWORTH

SOFTWARE ENGINEER

CONTACT

📱 (360) 846 - 8504

✉ Email

📍 Renton (Washington)

in LinkedIn

⬛ Portfolio Website

SKILLS

Python - Django, Flask, Pandas, NumPy

JavaScript - Expres.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

Backend Software Developer
Certifit | Renton | December 2021-Current
Design, deploy and manage Continous 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, Mavan, Bamboo,Docker and Ansible

Software Developer Tutor
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

Devops
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