Salem State University Certificate for Full Stack Software Developer Curriculum for Fall 2020 Start

User Centric Frontend Development

Introduction To The Integrated Development Environment

Cloud9

The Cloud 9 Ecosystem

Introduction to Rescue Your Work From Certain Death

The Command-line Interface

Git Basics

GitHub

Introduction to Fixing and Examining Stuff

Debugging HTML & CSS In The Browser

Introduction To Responsive Web Design

Responsive Design Basics

Media Queries

Mobile vs Desktop Approach

Responsive Design - Mini-Project

Introduction To CSS Animations And Transitions

CSS Transitions

CSS Animations

CSS Transformations

CSS Witchcraft

Introduction To Bootstrap

Bootstrap Basecamp

Core CSS & The Grid System

Components

Beyond Bootstrap

Introduction To User Experience Design (UXD)

The Strategy Plane

The Scope Plane

The Structure Plane

The Skeleton Plane

The Surface Plane

Resume Project Introduction

The Basic Structure

The Header

The Footer

Three Reasons To Hire Me

Contact details

The Resume Page

My Skills

My Work History

The Contact page

Download my CV

User Centric Frontend Development Milestone Project

Interactive Frontend Development

Test-Driven Development Using Jasmine

From JavaScript to ¡Query

¡Query Introduction

jQuery Events

jQuery - Traversing Mt. Dom

Scalable Vector Graphics (SVGs)

D3.js

DC.js and Crossfilter.js

Data Visualization Introduction

Loading Your Data

Creating Your Charts

Show Salary Correlations

Layout and Styling

Application Programming Interfaces (APIs)

Consuming APIs Using JavaScript

Data & The DOM

Project Introduction

Google Maps

The GitHub API

Sending Emails Using EmailJS

Interactive Frontend Development Milestone Project

Practical Python

Getting Started With Python In Cloud 9

Test Driven Development with Python

File I/O

Boggle Solver Part One

Boggle Solver Part Two

Getting Started

Applying Styles

Flask & Data

Routing and Templates

Deploying Our Project To Heroku

Starting The Project

Expanding Our Project

Upgrading Our Chat Functionality

Data Centric Development

Data Fundamentals

Data Store Types

Database Fundamentals

Relational Database Design

A Database Management System In Action - MySQL

SQL In Action

Introduction To Go Humongous With MongoDB

Create a MongoDB Database

Manipulate Data Using Mongo Shell

Manipulate Data Programmatically With Python

Manipulate Data With A Custom User Interface

Introduction to Mini Project

Putting The Basics In Place

Adding A Task - Accepting User Input

Adding A Task - Writing to the Database

Editing A Task

Delete A Task

Manage Categories

Adding Application Navigation

Data Centric Development Milestone Project

Full Stack Frameworks with Django

Hello Django

Testing Django

The Heroku Platform

Making Our Code Deployment Ready

Deploying Our Project

Environments, Automation & Security

Getting Set Up

Logging Out

Creating Login Functionality

Authorization

User Registration & Profiles

Password Reset

Custom Authentication

Styling A Django Project

Introduction To Blog All About It

Set Yourself Up For Success

Create Models, Views And URLs

Create HTML templates and CSS styles

Let's Go Live!

Products and a Shopping Cart

Finding and Purchasing Products

Hosting your E-commerce web app

Full Stack Frameworks with Django Milestone Project

Portfolio Submission and Assessment Guide