

Fahad Hayat

Experience

Deloitte Omnia AI

Software Engineer Consultant

May 2019 - Present

Ottawa, CA

Microsoft Azure, Databricks, Hadoop, Python-{Flask, Pandas, Numpy, Scipy}, ReactJS

- Implemented MVP to accelerate deployment of Azure platform for clients using Terraform, Python, and ReactJS, reducing release time by 70%
- Developed data mining tool for client, used to obtain tweets using Python Tweepy API, Flask and ReactJS, successfully performing sentiment analysis on 80k + tweets to assist in predicting winning slate
- Interviewed candidates and contributed to internal interview questions

ISED - CDH Studio

Software Engineer Intern

January 2019 - April 2019

Ottawa, CA

JavaScript (ES6), Python-{Flask, OpenCV}, AWS, Google-{Vision,Calendar}, React Native

- Led a team of 3 in agile development methodology for implementation of AI driven mobile app built using React-Native, Python, Flask, and AWS, achieved 80% of project goals
- Developed a computer vision algorithm that extracts, cleans and transforms text from a calendar image to google calendar API readable
- Coordinated/assisted developers with establishing and applying appropriate branching naming convention using GIT source control

Research Assistant

Machine Learning Developer

September 2018 - December 2018

Ottawa, Canada

Python-{Flask, Pandas}, Scikit-learn, SQL

- Developed data mining tool to obtain tweets for data analysis
- Utilized Scikit-learn's unsupervised learning algorithms to cluster tweets into different categories

Pythian

Software Engineer Intern

May 2017 - December 2017

Ottawa, CA

JavaScript (ES6), HTML, SASS, React, JSX, NodeJS, Salesforce, Apex, Outsystems, SOQL, NightwatchJS, Selenium, Mavensmate

- Improved Pythian's customer success portal UI and functionality by assisting in migrating legacy application built using OutSystems into ReactJS application, increasing code stability by 40%
- Worked intensively with ReactJS, Twitter Bootstrap, Restful web-services, HTML 4/5, CSS 2/3, JSON, Media queries for responsiveness
- Worked alongside senior engineers to design and develop solutions to support new application roadmap

Espial

UX / UI Developer Intern

September 2016 - December 2016

Ottawa, CA

JavaScript (ES6), React, NodeJS, PhoneGap, Cordova

- Developed prototypes for Espial's upcoming mobile and web applications using ReactJS, HTML5, CSS3 and JavaScript
- Collaborated with product owner, development and QA teams on implementing new features and mock-ups in agile environment successfully completing 3 prototypes

Projects

3Dice

August 2020

{Python, Flask, ReactJS, Bootstrap, Dockers, Redis}

A SaaS application for mining social media data (In Progress)

Data Structures Using Python

June 2020

{Python}

Leveraged learning and improving Data Structures and Algorithms skills

BrokeFlix

February 2020

{NodeJS, Bootstrap, SocketsIO}

A video synchronizing web-app that uses Youtube embed API

Rooms

Fall 2017

{NodeJS, AngularJS, Selenium, NightwatchJS, SQL}

A web-app that allows students to view classroom schedule for all rooms at Carleton University

Volunteer Work

President - Artificial Intelligence Society

- Founded the first student run Artificial Intelligence Society in the Ottawa region
- Led a team of 11 members, hosted coding workshops, lecture talks and focused on helping students get started with Artificial Intelligence

President - Pakistani Students Association

- Led a team of 8 members while fostering relationships with Middle Eastern/Asian community personalities and diplomatic officials
- Collaborated with 7 other associations on a single event, making it Pakistani Students' Associations first 500+ attendees charity event

Mentor - Canada Learning Code

- Mentored students for Intro to web development lectures under CLC

Certification

Machine Learning With Python

Cognitive Class By IBM

Education

Carleton University

Ottawa, Ontario, Canada

Computer Science Honours - Minor in Business (September 2014 - December 2019)