Zain Siddiqui

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Education

Computer Science B.S., University of California, Irvine   Expected: March 2021

Technical Skills

Languages: Python, Java, C, C#, C++, SQL, JavaScript, JSX, HTML, CSS, Sass, XML

Frameworks: React, Redux, ASP.NET, jQuery, Bootstrap, Jest, Enzyme, WebdriverIO

Tools/Systems: Git, Jenkins, Docker, Microsoft Azure, AWS, SQL Server, MySQL, Jira, Crucible

Professional Experience

Software Engineer Intern, Cerner Corporation   May 2020 – July 2020
- Developed a full stack web application in a team of four for an AWS cloud-based health data exchange platform using JavaScript, React, Redux and tested with Jest, Enzyme, WebdriverIO, Jenkins, Docker.
- The web application allows users to enroll in a cloud-based system that vastly improves patient data availability and is in use by 27,500 Cerner client sites globally.

Software Engineer Intern, Skyworks Solutions, Inc.   January 2020 – July 2020
- Led software architecture plans and completed two critical C#/ASP.NET initiatives that allow custom web applications to store hundreds of gigabytes of data in Microsoft Azure.
- Refactored Python code that tremendously increased the security of internal web applications by replacing deprecated third-party APIs with more secure OAuth2-based APIs.

Research Assistant, Cloudberry (UC Irvine)   June 2019 – September 2019
- Built and trained supervised machine learning models on 1.6 billion (2TB of) Tweets using Python.
- Introduced the use of deep learning techniques to 15+ graduate researchers via the AllenNLP research library – used to identify emotional sentiments and make sense of language nuance in Tweets.

Software Developer Intern, County of Orange Health Care Agency   August 2017 – March 2018
- Developed modern front-end interfaces for 12 web applications using JavaScript, HTML, CSS.
- Increased information retrieval by 200% for hundreds of web applications by migrating back end databases from Microsoft Access to SQL Server for use across both agencies.

Lead Programming Instructor, iD Tech Camps   Summer 2017, 2018
- Taught programming topics, such as OOP in C++ and Java, via custom learning methods.
- Instructed 200+ children/teens and managed/mentored new hire instructors.

Personal Projects

FabFlix: Java, JavaScript, Bootstrap, jQuery, HTML, CSS, MySQL, Tomcat, AWS
- A Netflix-like full stack web application hosted on an AWS EC2 instance, providing data with RESTful APIs.
- Features autocompleted search, reCAPCHTA, an encrypted database, and a load balancer.

Pixel Perfect: React, JavaScript, Bootstrap, HTML, CSS
- A web application that allows users to draw and save pixel art.
- Created during Cerner Corporation's annual hackathon, ShipIt. Pixel Perfect won 3rd place overall out of 15 total teams and also won the best presentation award.

CelebDetect: Python (Flask), JavaScript, HTML, CSS, AWS, GCP
- A full-stack machine learning web application that allows users to find instances of a celebrity in a video.
- Integrated Amazon Rekognition image analysis and voice search capabilities via Google Cloud APIs.