

Zain Siddiqui

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Education

BS, Computer Science, University of California, Irvine, expected March 2021

Technical Skills

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

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

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

Professional Experience

Software Engineer Intern, Cerner Corporation

May 2020 – July 2020

- Developed the entire front-end in a team of two for a cloud-based health data exchange platform using React and Redux – hosted on AWS and tested using Jest, WebdriverIO, and 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# 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.

Software Research Intern, Cloudberry

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 AWS as an EC2 instance.
- Features autocompleted search, reCAPTCHA, encrypted database, provides data with RESTful APIs.

Pixel Perfect: React, JavaScript, Bootstrap, HTML, CSS

- A web app that allows users to draw and save pixel art.
- Created during Cerner Corporation's annual hackathon, Shiplt. 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.