

Zain Siddiqui

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Education

Computer Science B.S., University of California, Irvine

Graduated March 2021

Technical Skills

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

Frameworks: React, Redux, Node.js, Svelte, ASP.NET, Bootstrap, Jest, 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

- Created a full stack web application for 90 million patients globally in a team of four using JavaScript, React, and Redux that enables patient data to sync seamlessly between health care facilities.
- Developed in a Lean-Agile environment, participated in daily scrum meetings, collaborated with solution designers, and tested software using Jest, Enzyme, WebdriverIO, Jenkins, and Docker.

Software Engineer Intern, Skyworks Solutions, Inc.

January 2020 – July 2020

- Increased availability and security of hundreds of gigabytes of sensitive company data by leveraging Microsoft Azure using C# and ASP.NET.
- Improved security of internal web applications by replacing deprecated third-party APIs with more secure OAuth2-based APIs in Python.

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 – December 2018

- Modernized 12 web applications using JavaScript, HTML, and CSS.
- Increased information retrieval by 200% for hundreds of web applications by migrating back end databases from Microsoft Access to SQL Server.

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, reCAPTCHA, 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, 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.