**Zain Siddiqui ** Website: codebyzain.com

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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

* 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 – March 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, 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 overallout 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.