Zain Siddiqui

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Education
Bachelor of Science, Computer Science
University of California, Irvine   Expected: March 2021
- GPA: 3.45 (Dean's Honor List Recipient x5)

Professional Experience
Software Engineer Intern
Cerner Corporation   May 2020 – Present
Fortune 500 MedTech global market leader known for its health care technology solutions
- Developing full stack web applications for the Cerner PowerChart Team using the CommonWell cloud-based management platform for use by more than 27,500 contracted provider facilities worldwide.
- Technologies Used: Java, JavaScript (React/Redux), Jest, HTML/CSS, SASS, Git, Lean-Agile, Jira

Software Engineer Intern
Skyworks Solutions, Inc.   January 2020 – Present
At the forefront of the 5G revolution supplying iPhone chips and high-performance semiconductors
- Led software architecture plans and refactored 13 ASP.NET web applications to store hundreds of gigabytes of data in Microsoft Azure as Binary Large Objects from an on-premise server resulting in a 50% increase in application performance, tens of thousands of dollars saved in server costs, and awards/recognition from direct manager and CIO.
- Integrated the ability for 100% of (13) custom web applications to collect and display telemetry data via dashboards and application maps in Microsoft Azure to monitor application performance.
- Technologies Used: C# (ASP.NET Core MVC), Microsoft Azure (REST APIs, DevOps), Python, SQL, Git

Software Research Intern
Cloudberry   June 2019 – September 2019
TwitterMap (cloudberry.ics.uci.edu/apps/twittermap): received millions in funding from NSF, NIH
- 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   August 2017 – March 2018
Information Technology sectors at the Health Care and Social Services agencies
- 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
The largest STEM summer camp providing computer science education to children and teens
- Taught programming topics, such as OOP in C++ and Java, via custom learning methods.
- Instructed 200+ children/teens and managed/mentored new hire instructors.

Technical Skills
Languages: Java, C# (ASP.NET Core MVC), Python, C, C++, JavaScript (ReactJS, Redux), HTML/CSS, SASS
Tools: Microsoft Azure (Rest APIs, DevOps), AWS (EC2), Git, SQL Server, MySQL, SSMS, Jest, WebdriverIO

Personal Projects
FabFlix: Java (Spring), JavaScript (ReactJS), HTML5/CSS3, MySQL, Tomcat, AWS
- A Netflix-like full stack web application hosted on AWS as an EC2 instance.
- Features autocompleted search suggestions, reCAPCHTA to prevent bot access, use of HTTPS, encrypted passwords, stored procedures for advanced security, and provides backend data using RESTful APIs.

CelebDetect: Python (Flask), JavaScript, HTML5/CSS3, 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.