

# Zain Siddiqui

Email: zainsiddiquica@gmail.com

Phone: (949)-662-8207

Website: [codebyzain.com](http://codebyzain.com)

GitHub: [github.com/zasiddiq](https://github.com/zasiddiq)

LinkedIn: [linkedin.com/in/zasiddiq](https://linkedin.com/in/zasiddiq)

## Education

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

## Technical Skills

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

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

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

## Professional Experience

**Research Team Lead**, University of California, Irvine July 2020 – Present

- Led 6 programmers in developing a web-based interactive e-book platform to allow children to learn effectively from home.
- Made high level design decisions for the tech design and designated tasks to developers.

**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 improve 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 vastly increased the security of internal web applications by replacing deprecated third-party APIs with vastly 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**, Orange County Healthcare 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.

**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.