

ZUBAIR QAZI

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EDUCATION

University of California, Riverside
Bachelor of Computer Science

Expected Graduation: *June 2022*

Overall GPA: 3.89

Honors Deans Honors List, Chancellors Honors List,
Babbage Scholarship Recipient

Classes Data Structures & Algorithms, Software Construction,
Operating Systems, Artificial Intelligence

TECHNICAL STRENGTHS

Languages Python, C++, Kotlin, Java, Swift, HTML/CSS, Javascript

Software Android Studio, Xcode, Git/GitHub, Firebase, Jupyter Notebook, L^AT_EX

WORK EXPERIENCE

Dexcom, Inc.

June 2020 - August 2020

Software Engineer Intern

- Designed and developed iOS applications to prototype newly designed app features, using Swift and Xcode.
- Redesigned, increased the portability, and improved the efficiency of an internal iOS network library, distributed via Cocoapods, which reduced overall battery consumption by 60%.
- Implemented database functionality in the mentioned library using company database frameworks, built using GRDB and SQLCipher for SQLite.
- Utilized Interface Builder and Auto Layout to overhaul outdated UI assets, meeting company standards.
- Interfaced with RESTful Web Services in order to collect, securely store, and display a bulk amount of data.
- Wrote extensive technical/support documentation and tracked development issues in Confluence.

nCompute

June 2019 - September 2019

Quality Assurance Intern

- Designed automated Integration Tests for Xamarin-based mobile applications, reducing testing time by 85%.
- Ran performance tests to identify and log key issues, as well as investigate areas for improvement.
- Ensured product quality and reliability requirements were met, and UI flow and functionality were implemented as per the business' requirement.
- Recorded and compiled detailed bug reports prior to a major release.

Hifinite Health

June 2017 - August 2017

Software Development Intern

- Researched modern UI concepts for a web-based application designed for patient and doctor interactions.
- Assisted in the development of back-end components integral to the web application, using Java.
- Utilized the Selenium testing framework to automate up to twenty tests, reducing testing time by 80%.
- Spearheaded a testing team to ensure that bug reports were remedied and that overall run-time efficiency was increased by 45%.

PROJECTS

Portfolio Website

September 2020

GitHub

- React-based web application built using Javascript, HTML, and CSS.
- Utilized the React Bootstrap framework in order to ensure a seamless experience on all devices.
- Employed TravisCI for continuous integration and auto-deployment.
- Deploys to custom domain, hosted at zubairqazi.com

CoffeeTracker

January 2019

- Android application written in Kotlin, designed to track user moods over time relative to coffee intake.
- Integrated Firebase Authentication in order to maintain user profiles and authentication credentials.
- Utilized Firestore to store and retrieve user-supplied metrics, and display unique graphs for each user.

Dealectable

November 2018

- Streamlined the process of uploading and accessing menus of popular or unknown restaurants, using Python.
- Interfaced with OpenCV in order to translate pictures of restaurant menus to text with 70% accuracy.
- Integrated Google Firebase to store translated menus, which were then accessible by an Android application.

PROFESSIONAL DEVELOPMENT

ACM-UCR: Event Manager

March 2020 - Present

- Organized a series of technical workshops designed to teach Python for Data Science, Web Development, and iOS development that were available to all members.
- Increased the number of technical and professional workshops for helping students prepare for interviews and acquire internships.
- Participated in and organized mock interviews for students.

Cyber@UCR: Ethics Director

March 2020 - Present

- Ensure that all activities completed by Cyber@UCR and its members remain ethical and legal.
- Assist the members of the board in organizing events to educate members on cybersecurity principles and proper online safety.
- Mediate issues related to the club, in order to maintain the club's legitimacy.

ACM-UCR: Membership Chair

March 2019 - March 2020

- Represented ACM at outreach events organized to bring in new student members.
- Organized technical, professional, and social events to increase and retain membership.
- Brainstormed and implemented new social and technical events, including a series of Python workshops.
- Managed and disbursed membership perks.

Workshop Organizer: Transition to C++ Workshop

October 2019

- Organized a UCR-funded C++ transition workshop designed to help UCR transfer students transition from Java and/or Python to C++.
- About 50 attendees at the first event, with about 90% interested in future iterations.
- The event is expected to continue regularly each year.

Workshop Lead: Intro to GitHub/Python/Android

October 2019

- Led a series of workshops designed to introduce key programming concepts in GitHub, Python, and Android.
- Organized through MLH Local Hack Day and hosted as ACM@UCR workshop events.