Amna Nadeem

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Education:

University Of California, Irvine (UC Irvine) **Dec 2021**
- B.S. in Computer Science
- Specialization in Intelligent Systems
- 2020 ICS/BRAID Scholarship Recipient
- Women in Information and Computer Sciences (WICS) Community Outreach Committee Member

Relevant Courses: Machine Learning & Data Mining, Next Generation Search Systems, Data Structure Implementation and Analysis, Intermediate Programming, Programming in C++, Applications of Probability in Computer Science

Technical Skills:

Programming Languages
> Python, C, C++, Java, JavaScript, React Native, HTML, CSS

Tools
> Eclipse, VSCode, PyCharm, Pygame, Git, Linux, OSX, Windows, SparkAR, VMware, Firebase, Expo, Anaconda

Experience:

Computer Science Instructor, Juni Learning, Remote **July 2020 - Present**
- Teach 15-20 students Python and Scratch using project-based curriculum
- Work one-on-one and in groups with students of ages 7-18 via Zoom
- Record detailed session notes to track each student's progress over weekly sessions
- Build students' confidence by fostering a welcoming environment and encouraging creativity
- Adapting curriculum to focus on skills based on their individual needs

Python Lab Tutor, UC Irvine, Remote **Mar 2020 - June 2020**
- Instructed students on developing, debugging, and testing ICS 32 coursework
- Taught students how to use debugging tools to step through code and identify errors
- Explained and clarified fundamental Python concepts
- Coordinated with TA to hold lab hours via Zoom

Projects:

Step By Step **Feb 2021**
- Built an iOS app using Expo and React that recommends exercises to users based on their fitness goals
- Used Firebase Realtime to create a database of exercises to recommend to users
- Implemented a recommendation system in JavaScript based on user ratings and collaborative filtering

Shadowbot - TwitterU Codechella Hackathon **Nov 2020**
- Created a bot to promote self-care by allowing users to better understand and reflect on the online environment they experience
- Used the Twitter API and the Natural Language Toolkit to access and analyze tweets based on their sentiments
- Provided users with an analysis of how positive/negative the content analyzed was along with self-care resources

Leadership Experience:

Applied Machine Learning UCI - Treasurer **Dec 2019 - Present**
Women in Information and Computer Sciences UCI - Mentor **Oct 2020 - Present**