

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

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:

Juni Learning - Computer Science Instructor - Remote

July 2020 - Present

- Teach 15-20 students Python and Scratch using Juni Learning's 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
- Foster a welcoming environment where students are motivated to be creative
- Build students' confidence by adapting curriculum to focus on skills based on their individual needs

UC Irvine - Python Lab Tutor - 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 virtual lab hours via Zoom

Projects:

Step By Step - CS 125: Next Generation Search Systems Course Project

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 (AML) UCI - Treasurer

Dec 2019 - Present

Women in Information and Computer Sciences (WICS) UCI - Mentor

Oct 2020 - Present