

Amna Nadeem

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Education:

University Of California, Irvine (UC Irvine)

Dec 2021

Dean's Honor List

- 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, 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
- Teach various levels of coding from Introductory courses to Algorithms and Runtime Analysis courses
- Work one-on-one and in groups with students aged 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 based on students' unique needs and learning style

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 - June 2021