Mohammed Emun

UX Engineer

https://emun13.github.io/Portfolio

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Education

Tufts University
Medford, MA
B.S. in Computer Science and Cognitive & Brain Science, 2021

Skills

Programming Languages: Python, C#, C++, and Bash

Web Development: JavaScript, React Native, HTML/CSS, and jQuery

Tools: Node.js, SQL, PostgreSQL, Salesforce, Git, Unity, Figma, Expo, Heroku, Bootstrap, and Photoshop

Experience

IoT Support Engineer
PTC
05/2021 – Current   Exton, PA

- Managed 20+ weekly customer cases, providing comprehensive technical support for IoT software such as ThingWorx, Kepware, and Manufacturing Applications.
- Debugged JavaScript code, and efficiently analyzed log files to improve IoT solutions.
- Configured relational databases using PostgreSQL and SQL and delivered detailed Root Cause Analyses.

Student Research Associate
PTC
08/2020 – 04/2021   Boston, MA

- Created augmented reality tools to visualize data and communicate with hardware interfaces such as LEGO SPIKE Prime and Rockwell PLC's.
- Enhanced the Front-End UI of PTC's iOS app with visualization features requested by our users to better their experiences on the educational and industrial level.

Augmented Reality Developer Intern
Tufts Center for Engineering Education & Outreach
05/2020 – 08/2020   Medford, MA

- Developed and delivered Augmented Reality iOS app to visualize communication between users and robots.
- Conducted several research studies investigating the risks and benefits of Augmented Reality for early robotics education.

Programming Languages Teaching Assistant
Tufts University
01/2020 – 12/2020   Medford, MA

- Tutored and supervised 100+ students in concepts such as abstract data types, type systems, and dynamic semantics while also leading large group discussions.
- Led weekly office hours and provided feedback on students' code to improve and personalize learning.

Projects

iOS EV3-Thoughts App

• App developed using C# within Unity and XCode for real time augmented reality visualizations of robot's sensory information

• Directed 4 case studies investigating effectiveness of augmented reality for early robotics and STEM education.

Mental Mentality Website

• Designed website for Tufts Mental Health Services using HTML/CSS, JavaScript, and Bootstrap, which provided students the previously unavailable option to schedule appointments online and create user biography profiles.

Certifications

Coursera

• Conduct UX Research and Test Early Concepts

• Google UX Design Specialization

• Foundations of UX Designs