Emun, E Mohammed

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EDUCATION

Tufts University   **GPA** 3.36
Bachelor of Science in Computer Science and Cognitive & Brain Science   **Graduated** 2021
Relevant Courses: Data Structures, Machine Structure & Programming, Web Programming, Programming Languages, and Algorithms

TECHNICAL SKILLS

Programming Languages: Python, C, C#, C++, Ruby, and Bash
Web Development: JavaScript, React Native, HTML/CSS, and jQuery
Tools: Git, Node.js, Unity, MongoDB, Expo, Heroku, Bootstrap, Airtable, Photoshop, and InDesign
Portfolio: https://emun13.github.io/portfolio/

RELEVANT EXPERIENCE

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

- Configuring and administering Web-based applications, relational databases, and using languages such as JavaScript to debug code
- Providing solutions to End Users with regards to ThingWorx and Open-Source Projects such as Apache Tomcat

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

- Used JavaScript, Node.js, HTML/CSS to add features allowing users to communicate with hardware interfaces such as but not limited to LEGO SPIKE Prime, Raspberry PI, and Rockwell PLC's
- Reorganized and improved the Front-End UI of PTC's iOS app by creating features requested by our users to better their experiences on the educational and industrial level

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

- Facilitated and supervised 100+ students; tutored and taught concepts such as abstract data types, type systems, and dynamic semantics
- Conducted weekly office hours and provided feedback on students' code and personalized learning strategies

Freelance Web Designer – Medford, MA   **03/2020 – 07/2020**

- Built a website from the ground up using HTML/CSS and WordPress to showcase a newly published book, *Ambient Sufism* by Tufts University's professor, Richard Jankowsky

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

- Used Python, Node.js, JavaScript, and HTML/CSS to produce and integrate a complex communication network between AR and LEGO's EV3 and SPIKE Prime robots

PROJECTS

iOS EV3-Thoughts App: EV3 Thoughts

- Built an app using C# through the use of Unity and XCode which allows the user to see AR visualizations of their robot in real time
- Directed numerous activities and case studies to investigate how AR functions within the classroom to teach robotics and other STEM concepts

Mental Mentality: Demo Site

- Provided a method for Tufts MHS to better serve its students as their current website does not allow for online scheduling or virtual appointments, using HTML/CSS, JavaScript, and Bootstrap
- Purposed proof of concept solution during Tufts 24-hour Polyhack; won 1st place