

Ashar Farooq

afarooq@mit.edu • farooqashar.github.io • github.com/farooqashar • (631) 356-1333 • 119 Bay State Rd, Boston, MA 02215

EDUCATION

Massachusetts Institute of Technology

Expected Graduation: May 2023

Candidate for Bachelor of Science in Computer Science, Economics, and Data Science

Relevant Coursework: Introduction to Algorithms, Machine Learning, Mathematics for Computer Science, Design and Analysis of Algorithms, Fundamentals of Programming, Econometrics

EXPERIENCE

Memorang

Software Engineering Intern
February 2021 – August 2021

- Designed, prototyped, and implemented a Content Management System(CMS) for Memorang's administrative users on their web application
- Using Next.js, React.js, and principles of Material Design, developed a new feature for displaying plans and bundles of different Memorang's services while engaging 1:1 with company engineers

Digital Humanities Lab

Research Assistant
June 2021 – August 2021

- Implemented a Django/React-based full stack web application for the sonification of text via varying sentiment analysis and a gender analysis toolkit of historical corpora while coordinating regularly with team members on development and testing

elphi

Software Engineering Intern
January 2021 – January 2021

- Using React, JavaScript, HTML, CSS, and Node, designed and implemented a new intuitive UI system for the Point of Sale(POS) system for streamlining the mortgage origination process from the client perspective
- Collaborated with several team members and company founders daily to produce efficient code for the improvement of the web application via new features and components, such as drag and drop questions, filtering categories, and configuring the online mortgage application to the Cloud Firestore database

OTHER ACTIVITIES

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- **Research Assistant** – worked with MIT Sloan School to synthesize analysis on societal impact of AI and Big Data
 - **Computer Science Instructor** – worked with MIT MEET to create course content for full stack web development
 - **Research Intern** – worked with Brazil's Campinas university to generate materials on electronics and computer science
 - **Lab Assistant** – guided students and conducted office hours in MIT's introductory Python classes 6.0001 and 6.0002
 - **Physics Mentor** – guided students on problem sets in MIT's introductory electricity and magnetism class 8.02
 - **Product Assistant** – created an augmented reality application to recognize soda cans using Vuforia and Unity for Danfoss
 - **Technology and Data Director** – managed all the technical platforms for the 2020 MIT Virtual Fall Career Fair Series
 - **Mentor** – tutored mathematics and science to children affected by the COVID-19 pandemic via the CovEd organization

SKILLS

Language: English(Proficient), Urdu(Native), Spanish(Intermediate)

Technical: Python, LaTeX, JavaScript, HTML, CSS, Basic C++, React.js, Next.js, Django, Stata, Julia, Flask, Firebase