

ASHAR FAROOQ

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Education

Massachusetts Institute of Technology

Sep. 2019 – May 2023

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

Cambridge, MA

Relevant Coursework

- Computer Systems
- Python Programming
- Computation Structures
- Software Construction
- Design of Algorithms
- Discrete Math
- Econometrics

Experience

Flowcode

June 2022 – August 2022

Software Engineering Intern

New York, NY / Hybrid

- Worked as part of the Activation Engineering Team on a new variant of a feature product designed specifically for improving the conversation rate of college students claiming a Flowcode QR code
- Using Next.js, React.js, and Front-End Web Development Libraries, developed a new feature for showcasing the nearest print stores for a customer in the checkout phase of a Flowcode QR code

Memorang

February 2021 – August 2021

Software Engineering Intern

Remote

- 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.

elphi

January 2021

Software Engineering Intern

Remote

- 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.

Projects

Kuyen | React, Next.js, Tailwind CSS

February 2022 - May 2022

- Developed a new prototype marketplace for rapidly creating different galleries for various NFT collections on OpenSea, such as Fyat Lux.

CloudDude | React, MongoDB, Node

January 2022

- Designed a game of user-created levels where the user can self-design, create, publish, and play a new level to get a character from start to end with obstacles, jumps, and other game objects.

FireRoad053 | Julia, Jump, Gurobi

May 2021

- Designed a system for MIT students to optimize their 4 year schedule based on their utilities and real-life constraints of MIT's curriculum.

Technical Skills

Languages: Python, JavaScript, TypeScript, HTML, CSS, Basic Stata, Basic C++

Technologies/Frameworks: Git, React, Next.js, Django, MongoDB, Node, Flask, Jest/Mocha Testing

Extracurricular

Teaching Assistant

Spring 2021 – Present

MIT's Introductory Python Courses 6.100A and 6.100B

- Guided students through problem sets on programming fundamentals, such as dynamic programming and recursion, in addition to conducting office hours.

Computer Science Instructor

April 2021 – August 2021

Middle East Entrepreneurs of Tomorrow (MEET)

- Designed and implemented course materials, such as labs, reviews, and exercises, on full stack web development, such as the Flask framework.