M. M. HARIS TARIQ

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EDUCATION

Bachelor's Computer Science & Data Science   University of California, Berkeley
Relevant Coursework: Structure and Interpretation of Computer Programs, Data Structures and Algorithms ,
Designing Devices and Systems.   - 3.7 GPA - May 2024

EXPERIENCE

CodePath   Berkeley, CA
Co Founder   Oct 2020 - Present

- Utilized Swift to create IOS clones of popular apps i.e Instagram, Yelp, IMDb, and coached it to classes of underrepresented students.
- Mentored and supported students by providing technical support during labs and assignments to ensure they were on track with the pace of the course

Cal Hacks   Berkeley, CA
Hacker   Oct 2021 - Present

- Intro to UI/UX Design, Deep Learning, React, IOS Development.
- Twitter API and Chatbot with AWS Lex

ADT Home Security Contractor
IT System Technician   Jan 2021 - Aug 2021

- Programmed ADT's home security pads with their complex software while updating their bios.
- Computed a counting program to keep track of the newly updated serial numbers.
- Assembled circuits and reprogrammed them into the main raid controller.

SKILLS

Languages: Python, Java, Swift, HTML, OOP

PROJECTS

Ants vs SomeBees   https://inst.eecs.berkeley.edu/~cs61a/fa20/proj/ants/
Designed a tower defense game called Ants Vs. SomeBees. It combined functional and object-oriented programming paradigms, focusing on the material of Composing Programs. The project also involved understanding, extending, and testing a large program.

CS Autocorrected Typing Software   https://inst.eecs.berkeley.edu/~cs61a/fa20/proj/cats/
Built a program that measures typing speed, also implemented typing autocorrect, which is a feature that attempts to correct the spelling of a word after a user types it. This project was inspired by typeracer.

Gitlet   https://inst.eecs.berkeley.edu/~cs61b/fa21/materials/proj/proj3/index.html
Developed a ground-up Java-based implementation of a git-like distributed version control system. I implemented remote functionality alongside core version control features (commit, merge, etc.).

Totality Token
Totality is a decentralized financial payment network that rebuilds the traditional payment stack on the blockchain. It utilizes a basket of fiat-pegged stablecoins, algorithmically stabilized by its reserve currency Totality, to facilitate programmable payments and open financial infrastructure development.

ACTIVITIES

Computer Science Mentor   Jan 2021 - Present
As a Junior Mentor for CSM in Fall 2021, I taught a class of 5 students in UC Berkeley's Computer Architecture course (CS 61C). In addition, I helped to organize a review session for the final where I went over the core concepts of parallel programming.

Mobile Coding Labs   Oct 2020 - May 2021
Built fully functional iOS Flashcard apps of INSTAGRAM, YELP, IMDB from the ground up.

Sierra Nevada Journeys - Facilitator   Aug 2019 - Present
Facilitated STEM stations and interacted with students and their families. Explained different scientific principles to kids such as senses, forces of nature, small circuits, and their components. - set up experiments on these principles to visualize the knowledge while engaging family members as well.