

TAQI HOSSAIN

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EDUCATION

The University of Texas at Austin	Bachelor of Science, Computer Science Minor: Business GPA: 3.93	May 2024
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PERSONAL PROJECTS

Ethereum To-do List - Solidity, HTML, CSS, Javascript	July 2022
<ul style="list-style-type: none">Created a full-stack app as a guided tutorial for 30+ students that handles asynchronous state changes to the Ethereum blockchain as a backend and subsequently updates frontendAllows users to connect their wallet to the Ethereum network and create and delete tasks through a simple, aesthetic UI	

SELECTED ACADEMIC PROJECTS

Pintos - C	May 2022
<ul style="list-style-type: none">Updated a toy OS to improve concurrency by adding priority scheduling, virtual memory through a paging system, and converting the existing single-threaded file system into a multi-threaded, multi-level indexed file system	
Huffman Encoding Scheme - Java	April 2021
<ul style="list-style-type: none">Implemented Huffman encoding scheme to compress and decompress files without data loss	
Memory Allocator - C	October 2021
<ul style="list-style-type: none">Implemented own design of malloc() and free() system calls by retrieving memory from OS through sbrk() and managing the memory received with a singly-linked free list	
EEL Command Interpreter - C	September 2021
<ul style="list-style-type: none">Command line interpreter that evaluates unary, binary, and ternary expressions involving integers, booleans, and stringsParses expression inputs into abstract syntax trees and subsequently evaluates them, printing final value	
Guitar Keyboard - Java	December 2020
<ul style="list-style-type: none">Implemented a ring buffer data structure to simulate the plucking of a guitar string, allowing users to play guitar notes through computer keyboard	

WORK EXPERIENCE

Blink Date Inc, Los Angeles, CA	May 2021 - August 2021
<i>Marketing Intern</i>	
<ul style="list-style-type: none">Researched venture capital firms that specialize in early-stage startups and drafted outreach notes to introduce Blink and connect with potential investorsMonitored industry trends and drafted press pitches to writers and publications covering dating and audio topicsCreated marketing assets, including social media and blog posts, to increase organic engagement and website trafficConducted user interviews and synthesized feedback, pinpointing target audience problems and clarifying audience demographicsProposed solutions to enhance the MVP and optimize for product-market fit	
14 Pews, Houston, TX	July 2019
<i>Film Crew Member</i>	
<ul style="list-style-type: none">Assisted filmmaker Cressandra Thibodeaux in producing feature documentary on Houston artist Terrell JamesFilmed and interviewed subjects, and managed lighting and equipment	

SKILLS

- Programming:** Proficient in Java, C, Solidity; Familiar with Python, HTML, CSS, and Javascript
- Technologies:** VS Code, Eclipse, Truffle, Microsoft Office (Word, Powerpoint, Excel), Google Workspace

EXTRACURRICULAR EXPERIENCE

Texas Student Television - Comic/Producer	September 2021 - Present
<ul style="list-style-type: none">Write and perform stand-up comedy routines on open mic nights at local comedy clubs as well as in TSTV studio	
Texas Blockchain Engineering - Vice President	September 2020 - Present
<ul style="list-style-type: none">Teach students how to build dApps on Ethereum, from smart contract creation and deployment, to frontend design	
Longhorn Powerlifting - Member/Judge	September 2020 - Present
<ul style="list-style-type: none">Practice lifts weekly with team members and compete in meets against other collegiate powerlifting teamsServe as meet judge and referee at high school powerlifting competitions	