Rashid Acker

Electrical Engineer/Full Stack Developer

Education

Electrical Engineering, University of Massachusetts at Lowell, Lowell

September 2018 — December 2024

Courses

CS50, Harvard

December 2022 — February 2023

Electronics I, UML

September 2023 — December 2023

Microprocessors I, UML

September 2023 — December 2023

Eng. Electromagnetics I, UML

September 2023 — December 2023

Signals & Systems I , UML

September 2021 — December 2021

Projects

RF Plasma Generation for Use in Ion Thrusters

October 2023 — November 2023

Designed an RF plasma generator for use in an Ion Thruster. Impedance matching was done using a double stub match and an RLC matching circuit. Simulations of the impedance match were handled through CST studios.

Microprocessor Arcade Game

November 2023 — December 2023

Created a replica of a popular arcade game in assembly using a PIC32 microcontroller and electrical componenets.

Portfolio website

2023

Used vanilla Javascript, HTML and CSS to set up a static website, deployed with Github Pages. https://dihsarr.github.io/

Full-Stack Workout tracker

2023

Used the MERN stack to create a workout tracker. I set up a database to store the workouts as well as an API to communicate with said database, rending everything in the front-end with React. User authentication was handled using JWT

TheGCbot

2023

A bot made with the Telegram API, used for automating and organizing tasks in group chats. This bot has features such as pinging everyone in the chat, storing addresses for users specific to the user that executed the command in a database, and adding/storing/fetching group events from a database. Made in Javascript with MongoDB.

Details

United States
857-318-8562
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Links

Portfolio website
Github
Linkedin

Skills

Circuit Construction

MATLAB

C

Git

CST Studio

Soldering

Assembly (MIPs)

Python

JavaScript

Linux CLI

React

MongoDB

Node.js

Express

HTML & CSS

SQL

Hobbies

Music
Drumming
Game Development
Dancing