

Shion Jeegan Michael

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Skills

Programming: Python, C/C++, HTML, CSS, Java, JavaScript, C#, ASP.NET, VHDL.

Tools & Platforms: Git, AWS, MySQL, Azure.

Software: MATLAB, Visual Studio Code, NetBeans IDE, Arduino IDE, NI LabVIEW, MS Word, MS Excel, MS PowerPoint, MS Outlook.

Education

Bachelor of Science in Computer Engineering, GPA 3.56

University of Houston – Clear Lake | Houston, TX

Expected Graduation, Dec 2023

Relevant Coursework:

- CS Coursework: Data Structures for Science & Engineers
- CE Coursework: Computer Architecture, Digital Circuits, Engineering Design and Project Management, Microcontroller Programming, Microprocessor Interfacing
- Math Coursework: Differential Equations, Calculus, Discrete Math, Prob & Stat for Scientist and Engineers

Associate of Science: Mathematics

May 2020

Lee College | Houston, TX

Projects

Motion Sensor Alarm System in Arduino

Arduino IDE / Class: Engineering Design and Project Management

Tasked with completing a project of our choosing throughout the spring 2022 semester. Team-based project working on both the hardware and software design. More information in [GitHub repositories](#).

- Assigned to work on the software side of the project using Arduino IDE.
- Demonstrated working code on project demo day achieving an A+.

Personal Portfolio

Google sites/ shionm.com

Personal portfolio to display past and future projects.

- Worked on this project extensively giving myself room to expand on it if necessary.
- Designed for mobile appliances as well.

ACME Degree Planning System (C++)

Data Structures (University of Houston-Clear Lake)

- ACME Degree Planning System is an easy-to-use class planning system for university students.
- It features a simple yet powerful menu system to automatically arrange and modify recommended sequence of classes based on declared major and transcript data.
- This program is designed to provide the most efficient path for students to complete all their classes related to their major.
- The program will automatically arrange classes based on what has been completed and what needs to be taken for degree completion.

Experience

Security Internship

October 2022 - Present

DataVox

- Work on a team to install IP CCTV, IP Access Control, Intercom, and subsidiary equipment.
- Install Access Control/VS servers and UPS.
- Test installed equipment and basic programming such as adding card readers, users, cameras, and door controllers to any system.
- Troubleshoot, diagnose, and repair any system or component level equipment.

Freelance Web Designer (HTML, CSS, and C#)

June 2019 - Present

Fiverr

- Develop graphics, develop web sites, writing and editing for websites.
- Developed and managed an e-newsletter campaign utilizing MailChimp also developed graphic banner and gained donations for upcoming event.
- Skills used knowledge of HTML5 and CSS3 and develop coding and work around CMS templates in WordPress