Charles Engler

charlieengler.com   charlieengler3@gmail.com   +1 (603) 583-3329   Github: @CharlieEngler

Computer science student looking to turn my passion for computer programming into a career by gaining meaningful experience in a post-secondary environment where I can both grow and contribute.

EDUCATION

WPI, Worcester MA - Computer Science Major with a Cybersecurity focus   (2022 - Present)
    Classes: Accelerated Object-Oriented Design Concepts (CS 2103), Systems Programming Concepts (CS 2303), Introduction to Machine Organization and Assembly (CS 2011)
    Awards: Dean's List (Fall 2022, Spring 2023)
Exeter High School, Exeter NH - High School Diploma   (2018-2022)
    Awards: National Honor Society, High Honors Achievement

SKILLS AND PROFICIENCIES

    Programming: HTML, CSS, Javascript, ASM Analysis, C/C++, C#, PHP, Java, Python, gdb, Arduino C
    Graphic Design: Adobe Photoshop, Adobe Premiere Pro, Adobe Illustrator
    Other: MS Word, MS Outlook, Google Drive Suite

WORK EXPERIENCE

The Home Depot, North Hampton, NH   June 2022 - August 2023
Freight and Receiving Team Member
Timberlane School District, Plaistow, NH   July 2022 - August 2022
IT Assistant
- Rebuilt and reimaged computer systems for use in classrooms and computer labs
- Debugged networking and phone connections across multiple schools
- Learned how large scale computer networks work from an IT perspective
- Worked with professionals in the field and observed their approach to technical problem solving

Riverwoods Exeter Retirement Community, Exeter, NH   September 2019 - February 2022
Waitstaff Manager, Assisted Living Server, Dishwasher, Dining Server
- Managed the wait staff for a dining room serving 100+ customers
- Learned to interact with and cater to regular customers in a personal manner
- Provided accessibility for customers in assisted living dealing with various disabilities
- Worked in conjunction with backend and frontend staff to run a large scale dining operation

PROJECT EXPERIENCE

Portfolio Web Application - charlieengler.com (2023)
- Website written in custom HTML, Javascript, and CSS as a static webpage for lightweight hosting
- Cross platform styling for mobile, desktop, and tablet support without a loss of features
- Custom Javascript code for displaying education information in a visually pleasing, intuitive format
- Sleek, modern design with a visually pleasing color palette for easy navigation and extended viewing

Ecogoats Mobile Application (2022)
- Mobile application using the Unity game engine for the frontend and Google Firebase for the backend
- Custom motion graphics for a visually pleasing, gamified user experience
- Account creation and login feature for saving user data and tracking survey answers
- Intuitive surveys and statistics for users to visualize their progress and ecological impact

Atlas Suite Web Application (2020)
- Large scale PHP web application designed to store and process user information in a SQL database
- Designed as a suite of tools that high school students might find useful for completing their work
- Tools included: instant messaging, forums, timer, task manager, a productive notification system, and more
- Full-feature account system with online status, search history, and forum posting capabilities

ORGANIZATIONS

- Phi Kappa Theta Fraternity Associate
- WPI Cybersecurity Club
- EHS Extended Learning Opportunity, Robotics Programmer, Ski Club