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: Software Engineering (CS3733), Computer Networks (CS 3516), Algorithms (CS 2223), Introduction to Artificial Intelligence (CS 4341), Embedded Computing in Engineering Design (ECE 2049)
  Performance: 3.81 GPA, Dean's List (Fall 2022, Spring 2023, Fall 2023, Spring 2024)

SKILLS AND PROFICIENCIES

  Programming: JavaScript, C/C++, ReactJS, HTML, CSS, Assembly, C#, PHP, Java, Python
  Technologies: SQL, PostgreSQL, MongoDB, Git, MS Word, MS Outlook, MS Excel, Google Drive
  Other: Executive Collaboration, Time Management, Problem Solving, Communication, Critical Thinking, Forklift Certified

WORK EXPERIENCE

The Home Depot, North Hampton, NH   June 2022 - August 2024
Sales Associate, 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 when deployed
- 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
- Interact with and catered to regular customers in a personal manner
- Provided accessibility for customers in assisted living dealing with various disabilities
- Collaborated with backend and frontend staff to run a large scale dining operation

PROJECT EXPERIENCE

Interactive Qualifying Project (2024)
- Collaborated with a team of four other students
- Analyzed barriers to obstructive sleep apnea diagnosis and awareness
- Interviewed and surveyed patients in addition to field professionals
- Developed a proposal for an awareness campaign to be run by healthcare professionals

Computer Networks Projects (2024)
- Developed simple HTTP server and client application for sending files using the HTTP protocol
  - Client establishes a socket and connection before generating a custom HTTP header
  - Client supports large file transfers by reading and compiling data packets
  - Server establishes a socket, bind, and listen before constantly checking for data
  - Server supports error checking for invalid headers, timeouts, corruption
- Developed simple Distance Vector Routing Protocol simulation
  - Simulates process in which routers determine the fastest path between each other for sending data

Portfolio Web Application - charlieengler.com (2023)
- Website developed 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

ORGANIZATIONS

- Phi Kappa Theta Fraternity: Interim President 2024, Vice President of Finance and Risk 2024
- WPI Cybersecurity Club