

Connor Brown

Crofton, MD • 410-693-0220 • connorbrown0220@gmail.com

SKILLS

Understanding of Data Structures • Problem Solving • Java • Subversion • Command Line • Object Oriented Programming • VS code • Scrum • Agile • Node.js • React • Express • GitHub • Communication • Algorithm Time Complexity • Quick Learner • Leadership • Critical Thinking • Wireshark • Cisco Packet Tracer • Linux • XCTU • Xbee • Raspberry Pi • Networking

EDUCATION AND TRAINING

BACHELOR OF SCIENCE: COMPUTER SCIENCE

12/2024

Towson University, Towson, MD

- GPA: 3.42/4.0
- Clubs: Software Engineering Club Member, VSA Member

RELEVANT COURSEWORK AND PROJECTS

- **College Marketplace Website:** As a proficient Scrum Master, I adeptly implemented agile and Scrum methodologies while leading my dynamic team. Our collective quick learning efforts lead to the successful development of a fully operational exchange platform, exclusively tailored for the Towson University community. This platform, constructed using Node.js, MongoDB, Express, React, and JavaScript, closely mirrors the functionality of eBay, but with a unique focus on serving the distinctive needs of Towson students. Moreover, we meticulously tracked and managed our project's source code using GitHub, ensuring seamless collaboration and version control throughout the development process.
- **IOT with Xbee and RaspberryPi:** Me and a team demonstrated proficiency in IoT networking by configuring and integrating XBee devices with Raspberry Pi. Utilizing XCTU, I successfully established a network connecting three XBee devices, one coordinator and two routers. We implemented Python scripts on the Raspberry Pi to capture and display data received from the XBee coordinator through the routers, showcasing my skills in device communication and data processing.
- **Text Based Adventure Game:** In a substantial group setting of approximately twenty individuals, I orchestrated an advanced object-oriented design using UML, overseeing the collaborative management of code through subversion. This intricate process led to the development of an engaging text-based adventure game.
- **Shortest Path Program:** With the input of an undirected connected graph, I was able to modify a Breadth First Search approach to find the shortest route from any node A to any node B. At the same time the program finds the amount of other routes from A to B that are also the same length and outputs each route. Computes in $O(m+n)$.
- **Largest Polynomial in Histogram:** By using x and y coordinates on a histogram, where towers vary in width, the program uses a Queue to calculate the height and width by popping x and y values at specific times.
- **Vehicle rental agency:** Using an object-oriented approach and limited to linked lists the program tracks many variables of reservations. The program also allows for two user interfaces to make changes to car lineup, rent out a car, calculate price, and process returned cars.

EXPERIENCE

TOWSON UNIVERSITY

Towson, MD

CIS Student Advisor

08/2023 to Current

I engaged with students through a dynamic blend of virtual and face-to-face interactions, leveraging tools such as SharePoint and Excel to deliver tailored support for their degree completion plans.

CROFTON GO-KART RACEWAY

Crofton, MD

Crew Member

06/2021 to 08/2023

I honed my leadership, communication, and initiative skills to deliver customers a thrilling, secure, and enjoyable go-karting experience, marked by a commitment to cleanliness and safety.

WEBSITES, PORTFOLIOS, PROFILES

- LinkedIn: www.linkedin.com/in/connor-brown-798629226
- GitHub: <https://github.com/C13Brown>