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|---------------------|--|--------|---|---------|---------------|
| Objective | To obtain a full-time position in software development that will provide interesting challenges and allow me to further build upon my current skillset. | | | | |
| Education | Virginia Polytechnic Institute and State University Bachelor of Science: Computer Engineering Expected Graduation: May 2020 | | | | GPA: 3.66/4.0 |
| Experience | Summer Intern: Optum Technology Development Program Boston, MA | | | | Summer 2019 |
| | <ul style="list-style-type: none">Front end developer on a design team building with ReactJSImproved a waitlist system used to schedule hospital behavioral appointmentsCreated a system that pulled medical data from electronic health records, provided data validation, and ran an algorithm to recommend possible therapists for patients to reduce wait time | | | | |
| | Raleigh, NC | | | | Summer 2018 |
| | <ul style="list-style-type: none">Full stack developer with an intern team tasked to design a practitioner facing UI with a graph database backendCreated parameters to organize the database and methods to query mock data in JSON formattingHelped organize the best setup of fields within the database that made querying simpler and the data illustrate trends about the populationDetermined and implemented useful API calls to understand simple trends in data | | | | |
| | Mentor: CEED Mentoring Program Blacksburg, VA | | | | Fall 2017 |
| Skills | C++ | C | Neo4j | Agile | UNIX |
| | ReactJs | Python | Qt | LTspice | Git |
| Projects | BOTLER: | | | | Fall 2019 |
| | <ul style="list-style-type: none">Tasked to control a three wheeled rover as part of a retrieval embedded systemCreated server to receive pixy cam and ultrasonic sensor data for rover to orient itself within a game field. The rover would process this data and make automated decisionsUsed external sensors, multithreading, and thread-safe queues to navigateVideo presentation of project can be found here | | | | |
| | dmeExchange: | | | | Summer 2019 |
| | <ul style="list-style-type: none">Created a concept for a marketplace that allowed practitioners to recommend vendors of durable medical equipment for patients in needShowed how the patient’s coverage plan could help them pay for specific equipment | | | | |
| | Berkley Artificial Intelligence Pacman: | | | | Spring 2019 |
| | <ul style="list-style-type: none">Completed a series of artificial intelligence projects that would implement AI concepts within Pacman | | | | |
| | Plotscript: | | | | Fall 2018 |
| | <ul style="list-style-type: none">Created a terminal and GUI based application that implemented a LISP languageImplemented the capability to do algebra, lambda functions, and graphing | | | | |
| | RAD: | | | | Summer 2018 |
| | <ul style="list-style-type: none">Created a survey to help expedite the triage system in natural disastersCreated a series of questions to determine their level of need and placement in a priority queue | | | | |
| Relevant Coursework | Data Structures and Algorithms Applied Software Design Microcontroller Interfacing Artificial Intelligence and Engineering Applications Intro to Control Systems | | Machine Learning Computer Organization and Architecture Introduction to UNIX Embedded Systems Design Network Application Design | | |
| Achievements | Dean’s List with Distinction: Fall 2016, Spring 2018, Fall 2018, Spring 2019 Zora M. & Gilmer A. Warfield Memorial Scholarship | | | | |