Malcolm Thompson

 github.com/Malcolmt129 | malcolm.t129@gmail.com | +1-443-801-3973

EDUCATION

Towson University   Jan 2021 - May 2023
Bachelors of Science in Computer Science   GPA: 3.5/4.0

RELEVANT COURSEWORK

Computer Science: Computer Architecture, Data Structures and Algorithms, Databases, Operating Systems, Data and Communications Networking, Software Engineering, Web Development, CryptoCurrency & Blockchain Development, Object Oriented Design
Mathematics: Discrete Mathematics, Probability & Statistics, Calculus I & II , Linear Algebra, Physics

EXPERIENCE

Northrop Grumman   Jul 2018 - Present
System & Sensors Technician   Baltimore, MD

- Currently maintain a Secret Clearance.
- Identified faults, down to the circuit cards, in over 5 modular communication systems.
- Wrote technical reports and develop charts/graphs, and schematics to illustrate equipment operating characteristics, malfunctions and deviations from design specifications in order to improve overall purposefulness of systems to the company.

United States Marine Corps   Aug 2013 - Aug 2018
Ground Radio Repairmen   Camp Pendleton, CA

- Maintained a TS/SCI security clearance.
- Repaired over 250 individual radio equipment as necessary, using electronic test equipment, hand tools, and power tools.
- Assumed the position of Quality Control officer to ensure all systems inducted into maintenance were returned in good order and met all specifications, directed by Headquarters, before leaving maintenance sections.

PROJECTS

Object Oriented Blackjack   Aug 2020 - Dec 2020
Advanced Programming, Dr. Brahman

- Using Java and the Eclipse IDE, I created a command-line based blackjack game against a dealer with modified rules to ensure that I knew advanced object oriented programming principles.

Church of Philippi Inventory Management system   Jan 2022 - May 2022
Software Engineering, Dr. Song   https://github.com/Malcolmt129

- Using Angular for frontend, Nest.js for backend and PostgreSQL for the database, my team designed and created an online database to track inventory of a local church.
- The project was deployed using AWS services (S3, EC2 and RDS instances) to make accessible for staff of the church.

CryptoCurrency Speculative Trading Application   Mar 2020 - Present
School Project, Professor Irani   https://github.com/Malcolmt129

- Served as team lead for the development of a cryptocurrency speculative trading application that shows current price action and which strategies may prove to be profitable, if implemented through my teams smart contract.
- Designed the database schema and structured the backend to properly query and serve the appropriate data to the frontend based on user specification.

Terraform Automated Infrastructure   August 2022 - November 2022
Personal Project

- Using Terraform, I created an application that will automate creating the necessary infrastructure to make a 3 tier web application through AWS. This will be used in future projects in order to cut down on production time.

TECHNICAL SKILLS

Programming languages: C++, Python, C#, Java, Solidity

Web Technologies: HTML, CSS, Angular, NestJS, ExpressJS, JavaScript

Stats/Data Science Technologies: Pytorch, Numpy, Pandas, Matplotlib

Miscellaneous: MySQL, AWS, Git, Linux, Latex, Unity, MongoDB, Terraform

ACHIEVEMENTS

Achievement 1	Reached the rank of Sergeant in the United States Marine Corps	2017
Achievement 2	Maintained full-time employment throughout the entirety of the completion of degree.	2020-2022