

STUDENT GOVERNMENT ASSOCIATION STUDENT LIFE APP DEVELOPER & QA TESTER
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Harrisburg, PA Work Experience STUDENT GOVERNMENT ASSOCIATION STUDENT LIFE APP
DEVELOPER & QA TESTER HARRISBURG January 2019 to April 2019 Helped to develop the app
when lead developers were overworked and was responsible for assuring quality code and
codebase functionality. Languages and tools used were JS, Typescript, MongoDB, Selenium.
RESEARCH ASSISTANT HIGH PERFORMANCE NETWORKS December 2016 to December 2017
Conducted research on advancing energy efficiency in high-performance networks through the
implementation of machine learning techniques to limit the live time of routing nodes, outlying or
otherwise, through analyzing the frequency of user scheduled data transfers and the shortest
network path necessary to achieve the data transfer for the OSCARS system. ENTERPRISE JAVA
JUNIOR DEVELOPER MISTIQ March 2016 to December 2017 Coded in Java and JavaScript to
develop a groundbreaking cryptographic artificial intelligence ecosystem for an IoT technology,
Smart Data. Our successful cryptocurrency project can currently be found at: <https://thought.live>
Wrote several varying implementations of our NDA technology for several clients. Responsibilities
included writing new classes and methods pertaining to the system while inheriting other class
functionality when appropriate as well as developing smart contracts for our crypto-ecosystem.
Honors & Skills Education BS in COMPUTER SCIENCE HARRISBURG UNIVERSITY OF
SCIENCE AND TECHNOLOGY 2019 to 2020 Skills XML, HTML, Javascript, jQuery, SQL, Linux
Additional Information Education BS COMPUTER SCIENCE | 2019-2020 | HARRISBURG
UNIVERSITY OF SCIENCE AND TECHNOLOGY Academic Project 1 2D to 3D Fractal
Geometry Translator (Purpose: To teach myself about the mathematics behind Fractal Geometry
while writing a modern website with JS, Typescript, and React/Redux to display my programming
abilities while setting up a nice small side business for myself.) Summer 2019 Academic
Project 2 - AI Agent Culture Evolution Project (Purpose: Comparing how different machine learning
algorithms may quickly learn a given environment and how their strategies change over time while

allowing different or similar algorithms to communicate with one another to achieve a given goal. The agents have full freedom in choosing their starting values, goals, as well as if they will share certain information with other agents (so agents have capabilities to cooperate, negotiate, and plan against one another).

Summer 2020 Taught a programming class my Freshman Year focusing on Full Stack, MEAN, Web Development

Spring 2016 Summer 2016 Experience STUDENT GOVERNMENT ASSOCIATION STUDENT LIFE APP DEVELOPER & QA TESTER | HARRISBURG UNIVERSITY | JAN 2019 APRIL 2019 Helped to develop the app when lead developers were overworked and was responsible for assuring quality code and codebase functionality. Languages and tools used were JS, Typescript, MongoDB, Selenium.

RESEARCH ASSISTANT: HIGH PERFORMANCE NETWORKS | HARRISBURG UNIVERSITY | WINTER 2016 WINTER 2017 Conducted research on advancing energy efficiency in high-performance networks through the implementation of machine learning techniques to limit the live time of routing nodes, outlying or otherwise, through analyzing the frequency of user scheduled data transfers and the shortest network path necessary to achieve the data transfer for the OSCARS system.

ENTERPRISE JAVA JUNIOR DEVELOPER | MISTIQ | SPRING 2016 WINTER 2017 Coded in Java and JavaScript to develop a groundbreaking cryptographic artificial intelligence ecosystem for an IoT technology, Smart Data. Our successful cryptocurrency project can currently be found at: <https://thought.live> Wrote several varying implementations of our NDA technology for several clients. Responsibilities included writing new classes and methods pertaining to the system while inheriting other class functionality when appropriate as well as developing smart contracts for our crypto-ecosystem.

Honors & Skills HONORS High School: Magna Cum Lade 2011-2015 University: Summa Cum Lade 2015 - 2017, Magna Cum Lade 2018 2019 Boy Scouts: Eagle Scout (Highest Rank), Bronze Palm (Achieved several more Merit Badges than required for Eagle)

SKILLS: PROGAMMING Languages: Python, Java, JavaScript, C, R, JSON, TypeScript Frameworks: React/Redux, Vue.js Databases: SQL, NOSQL, Meteor.js Software: Any Office Software, GIT, Linux, Windows, vscode, command line SKILLS: LEADERSHIP I was a connection leader and summer bridge program student mentor during the summer of 2017. I was

responsible for guiding new students around the university and surrounding areas while assisting them in forming lasting professional connections to build their social network. Most importantly, however, was my time spent serving in the Boy Scouts of America. During my time here I climbed the ranks and positions to the highest possible peaks the organization had to offer to attain the rank of Eagle Scout. I served as a Senior Patrol Leader for my troop where I was responsible for conducting meetings, hosting workshops to practice our wilderness survival skills such as shelter building and emergency preparedness.

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