HALEY H. HIGA

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OBJECTIVE STATEMENT

Motivated recent computer science graduate pursuing opportunities in areas such data science or web application development to further gain valuable experience in the field of computer science.

EDUCATION

Utah Tech University (St. George, UT)

- B.S in Computer Science and Minor in Information Technology, Cumulative GPA: 3.91
- Non-Resident Presidential Scholarship recipient
- President's List member from Fall 2022 through Fall 2024
 - o Awarded to students who had a 3.9+ GPA for the semester
- Coursework
 - Data Structures and Algorithms, Artificial Intelligence, Machine Learning, Computer Networks, Database Systems, Software Engineering, Web Application Development.

SKILLS/TECHNOLOGIES

- Experience programming in Python, C++, JavaScript, SQL, HTML/CSS.
- Experience in Linux and Git
- Proficient in using Google Applications and Microsoft Office, Word, Excel, and PowerPoint.

CERTIFICATIONS

- Amazon Web Services Certified Cloud Practitioner
- CompTIA Security+ Certification

PROJECTS

AI Doghouse Pathfinder (Python)

• Utilizes Gymnasium to create a custom environment within a Python virtual environment. Uses a heuristic and A* Search Algorithm to find the best possible path from the agent's starting point to the doghouse while avoiding randomized obstacles.

Neural Network Heart Failure Prediction (Python)

• Uses an artificial neural network to predict heart failure using Tensorflow and Sci-kit learn. Data is split into testing and training data. Utilizes a pipeline to transform the data.

Shark Attack Prediction (Python)

- Classifies the likelihood of a shark attack based on age, sex, activity, species, and type. Utilizes Sci-kit learn to construct and fine-tune the machine learning model.
- Uses random forest classifier to classify shark attack data from kaggle.
- Cleaned and preprocessed with Pandas and NumPy.

Graduation: Spring 2025