

# HALEY H. HIGA

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## OBJECTIVE STATEMENT

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Motivated computer science student pursuing internship opportunities in areas such as front-end development, back-end development, or data science to further gain valuable experience in the field of computer science.

## EDUCATION

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### Utah Tech University (St. George, UT)

**Graduation: Spring 2025**

- Pursuing a B.S in Computer Science and Minor in Information Technology, Cumulative GPA: 3.92
- Non-Resident Presidential Scholarship recipient
- President's List member from Fall 2022 through Fall 2024
  - Awarded to students who had a 3.9+ GPA for the semester
- Coursework
  - Data Structures and Algorithms, Artificial Intelligence, Machine Learning, Computer Organization and Architecture, Database Systems, Software Engineering, Web Application Development.

## SKILLS/TECHNOLOGIES

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- 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

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

## PROJECTS

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### 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.

### Social Network "Turtle" (SQL, Python, Bash)

- Created a fake social network database that adds and deletes users, accounts, followers, posts, likes, dislikes, block and unblock accounts, and some queries to show most followed, most liked, most disliked, show mutual followers, and top 10 posts of the day.

### 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.