Cayler Miley

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Education

University of Nevada - Reno — Graduated May 2018
Bachelor's Degree (Honors), Computer Science and Engineering

Extracurricular: Founder/President of UNR Golf Club; President of Nevada Esports.

University of Nevada - Reno — Enrolled August 2018
Master's Degree, Computer Science

Employment History

University of Nevada, Reno — **Reno, Nevada**
Graduate Teaching Assistant — September 2018 - Present

Graded student work and taught laboratory sections on effective communication skills for engineering students.

Arculus GmbH — **Ingolstadt, Bavaria**
Software Engineering Intern — May 2017 - July 2017

Built scalable log system architecture for autonomous vehicles using wireless socket transmissions in Python and designed visualization tool in Javascript.

University of Nevada — **Reno, Nevada**
Undergraduate Researcher — August 2016 - May 2018

Developed robotic deployment for a mesh network architecture in the Computer Networking Lab (CNL).

Designed and built log processing application using Python, Flask, and the Elastic Stack. Analyzed and visualized security log data for UNR Cybersecurity.

Projects

All projects can be found at https://github.com/cmiley

MKZ Intent: Project repository for senior project work. Developed a neural network model using PyTorch to predict human action based on pose.

Hangman: Developed a hangman game written in OpenGL and C++. Utilizes a menu to adjust shading/lighting and Bullet physics.

CS 691 ML: Project repository containing machine learning projects completed during the Machine Learning course taught Fall 2018 written in Python.

Faces Project: Wrote a face attribute classifier using PyTorch to practice CNNs and PyTorch architecture.

Graph Networks (Private): Building graph neural network for path-planning graph generation from image representations.

Awards

Goldwater Scholarship Honorable Mention: Nationally competitive scholarship funded by former Senator Barry Goldwater's Foundation supporting excellence in research in STEM.

Presidential Scholarship: Tuition scholarship offered to students at the University of Nevada, Reno for excellence in graduation from a Nevada high school.

Technical Skills

C++: OpenGL, Bullet, ROS

Python: PyTorch, Tensorflow, Numpy, Pandas, Scikit-Learn, Matplotlib, Networkx

Javascript and Web: D3, Bootstrap, MDL