Houston Lucas
Contact Email: houstonlucas@nevada.unr.edu (Preferred)   **Contact Phone: 1-775-455-1028**

Education:
- **University of Nevada, Reno Pursuing BS in Computer Science and Engineering**
- **Current GPA:** 3.757   -   **Expected Graduation:** May 2018

Prior Courses:
Data Structures, Linear Algebra, Statistics, Operating Systems, Engineering Communications, Computer Vision, Embedded Systems, Programming Languages, Algorithms, Artificial Inteligence, Directed Study (Machine Learning), Networking, Calculus 1-3, Autonomous Mobile Robotics

Relevant Experience
- Senior Project for applying Machine Learning to Autonomous Vehicles (Present)
    - https://www.caylermiley.com/senior-project/
    - **Project Goal**: Estimate pedestrians intended paths from body pose.
    - Using OpenPose Library   - Using PyTorch

Work Experience
- **Internship at Sierra Nevada Corporation** (Spring 2017 - Present)
    - Software development with Agile methods (Scrum)   -   Android Development
    - C# backend web development   -   Python Network Communication

- **Internship at UNR Robotics Research Laboratory** (Spring 2015 - Spring 2017)
    - Experiment Design   -   Data Analysis
    - Programming with ROS   -   Technical Writing and Presentation

- **Teaching Assistant for CS791 Robotic Manipulators** (Spring 2017)
    - Assisted students with code and concepts for class projects.
    - Assisted designing assignments and projects.

- **Teaching Fellow at University of Nevada Reno** (Spring 2015)
    - Instructed fellow students on fundamental concepts of computer science

Awards
- College of Engineering Dean's List Continuously Since Fall 2015: ~3.8 GPA
- 1st place Intermediate division ACM UNR Annual Programming Competition 2015
- Undergraduate Research Opportunity Program (UROP) Scholarship for research over summer 2016

Research Experience:
- Primary Author of: "Too big to be mistreated? Examining the Role of Robot Size on Perceptions of Mistreatment." Published in the 25th IEEE RO-MAN, Columbia University, NY, USA
- Co-author of: "Team-Building Activities For Heterogeneous Groups of Humans and Robots." Published to the International Conference on Social Robotics (ICSR), Paris, France, Oct 2015.
- Co-author of: "Does the Safety Demand Characteristic Influence Human-Robot Interaction?." Published to the International Conference on Social Robotics (ICSR), Nov 2016.

Qualifications and Skills:
- Proficient with: **C++, Python, Java.**   Working knowledge: **C#, Kotlin, Javascript**
- Experience with: **Git, NumPy, TensorFlow, PyTorch, Android, OpenCV, ROS**

Associations:
UNR Cyber Club
- Cyber Medic at Nevada Governor's Mansion and on campus October Cyber Clinic
- National Cyber League (NCL) Spring 2017 Ranked 4th out of 149 competing teams.