NAVID SHAMSZADEH

Monterey, CA 93940

(+1) 831 229 6672 ⋄ nshamszadeh@gmail.com

EDUCATION

University of California Santa Barbara: 3.38 GPA　　　　　　　　　September 2015 - 2020
Major in Computer Science
Major in Mathematics

EXPERIENCE

HRL Laboratories　　　　　　　　　　　　　　　　　　　　June 2020 - September 2020
Artificial Intelligence Engineering Internship

· Prototyped an automated data generation and testing/evaluation system using CARLA vehicle simulator.
· Data generation automation using bash scripts and Open Message Massing Interface (OpenMPI) in C.
· Wrote data handler component to package and move data from distributed compute nodes and their individual local storage to a global storage area.
· Wrote launch and node/simulation runner components to specify parameter sets and appropriate numbers of simulation data generators per compute node on a cluster.
· Automation work streamlined team's research on machine learning and self driving cars.

UC Santa Barbara: META Lab　　　　　　　　　　　　　　　July 2019 - September 2019
Psychology Lab Research Assistant

· Implemented eye tracking camera software for counting number of test subject blinks.
· Implemented mixed perception software for displaying different images in each eye of the test subject.

UC Santa Barbara: Computer Science Department　　　　　September 2017 - December 2017
Computer Science Tutor

· Tutored introductory computer science students under the mentorship of two professors.
· Homework, projects, and labwork help.

Naval Postgraduate School　　　　　　　　　　　　　　　　　June 2014 - August 2014
Cybersecurity Internship

· Migrated Carnegie Mellon CTF (PicoCTF) to a local nginx web server for future modifications.
· Automated the decryption of ciphered text files using frequency analysis techniques.

TECHNICAL STRENGTHS

Programming Languages	C, C++, Python, Mips ISA, Bash, Java, Javascript
Software & Tools	LaTeX, React, HTML, CSS, Bootstrap, Unix/Linux, Docker, MPI, OpenMP, CUDA, Numpy, Scipy, Vivado, Git, Flask, Postgresql, Heroku, OpenCV