NAVID SHAMSZADEH

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[GitHub](#)   [LinkedIn](#)   [Portfolio](#)

EDUCATION

University of California Santa Barbara: 3.38 GPA   September 2015 - 2020

BS in Computer Science

BS in Mathematics

Relevant Coursework

- Linear Algebra
- Web development
- Computer Architecture
- Probability and Statistics
- Operating Systems
- Differential Equations
- Embedded Systems
- Algorithms
- Parallel Scientific Computing
- Data Structures

TECHNICAL STRENGTHS

Programming Languages	C, C++, Python, Mips, Bash, Java, Javascript
Software & Tools	LaTeX, Linux, Docker, MPI, OpenMP, CUDA, Numpy, Scipy, Vivado, Git, Postgresql, OpenCV, HTML, CSS, React, Bootstrap, Flask, AWS (EC2), Heroku, Nginx, Catch2, TravisCI

EXPERIENCE

HRL Laboratories   June 2020 - September 2020

Artificial Intelligence Engineering Internship

- Designed and engineered an automated data generation system to interface with CARLA vehicle simulator.
- Data generation automation using **bash** and Open Message Massing Interface (**OpenMPI**) in **C**.
- Wrote data handler component to package and move data from distributed compute nodes' individual local storage to a global storage area. Wrote simulation component to specify parameter sets per compute node.
- Up to ten times faster generation of training data for team's research in autonomous vehicles.

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 in a field experiment.
- Implemented mixed perception software for displaying different images in each eye of test subjects.

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

Computer Science Tutor

- Tutored introductory computer science students under the mentorship of two professors.

INTERESTS AND EXTRACURRICULARS

- Backpacking and Hiking
- College Radio
- Teaching
- Martial Arts
- Music
- Running