

# Aashin Shazar

+1-209-666-0360  
aashinshazar@gmail.com

in /AashinShazar  
/AashinShazar  
ashazar.me

## Experience

### Undergraduate Research Assistant

*Intelligent Computing and Embedded Systems Lab*

03/2020 - Present

California, USA

- > Led software development of next generation sensor fault-tolerant prosthetic technology.
- > Optimized implementation of prototype MATLAB code in Python with a 98% performance gain.
- > Designed new features for parameter investigation to boost classifier accuracy from 20% to 93%.

### Engineering Intern

*Tesla*

05/2017 - 08/2018

California, USA

- > Created data pipeline to visualize KPIs for 15 crash safety critical automotive components.
- > Redesigned data acquisition software to integrate production vital equipment into the data pipeline.
- > Developed a \$3.75M cost saving machine learning application to yield greater process efficiency.

## Education

### Bachelor of Science in Computer Engineering

*San Francisco State University*

08/2018 - 12/2020

California, USA

- > Activities: Vice President of Alpha Sigma Phi
- > Electives: Control Systems, Engineering Cost Analysis, Philosophy of Research Ethics

### Machine Learning Engineer Nanodegree

*Udacity*

09/2018

- > Capstone: Application of Convolutional Neural Networks to Identify Defective Automotive Components
- > Coursework: Supervised Learning, Unsupervised Learning, Deep Learning, Reinforcement Learning

## Projects

### E.M.I.L.A

08/2019

- > [ashazar.me/projects/emila](https://ashazar.me/projects/emila)
- > Electromyography Muscular Interface Limb Assist (EMILA) was a cursory investigation into robotic prosthetics. This project gathers EMG data from EMG sensors which is then interpreted by a machine learning classifier to perform a previously mapped gesture.

### ReelLife

05/2019

- > [ashazar.me/projects/reellife](https://ashazar.me/projects/reellife)
- > ReelLife was an entry for the 2019 SFSU hackathon competition. It assists content creators automate the process of finding the best thumbnails, highlights and perfect shots for promotional material using a machine learning classifier.

## Skills

**Programming** Python, MATLAB, C/C++, Java, Verilog

**Data Science** Numpy, Pandas, SQL, Numba, SCADA

**Machine Learning** Keras, Sci-kit Learn, Tensorflow