**CAREER FOCUS**

Seeking an internship or entry-level position as a Front-end Web Developer.

**University of California, Santa Barbara, CA**

*December 2017*

B.S. Computer Engineering

Minor in Japanese

**SELECT PROJECTS**

**Capstone Senior Design Project** **– Sonos (Intercom project)**

*July 2016 – June 2017*

*Advisor: Dr. John M Johnson*

* Created parts and designed a schematic for the intercom system using DxDesigner.
* Leader of the display interface; used serial peripheral interface protocol to interface the display with the microcontroller.
* Displays changes on the device corresponding to different interrupts.
* Used LPCXpresso and coded in C to send commands to the microprocessor.

**Naïve Bayes Classifier**

*February 2017*

* Classified movie reviews as 0 for bad reviews and 1 for good reviews.
* Used python to filter words from training data into a list corresponding to its review.
* Calculates probability of a document being 0 or 1 based on the joint probability of the words contained in the document and the higher probability is chosen as the document’s label.
* Runs on the testing data and uses calculated probabilities to classify the new review.

**1964 Ford Thunderbird Taillight Model**

*August 2014*

* Used LEDs to represent the taillights and buttons to model the brakes, hazards and turn signals.
* Constructed state tables based on the behavior of the taillights.
* Used Verilog to code the behavior on to a Xilinx FPGA.

**COURSEWORK**

* Circuits, Devices, and Systems
* Digital Design Principles
* Signal Analysis
* Digital Design With VHDL and Synthesis
* Introduction to Computer Architecture
* Hardware/Software Interface
* Sensor and Peripheral Interface Design
* Operating Systems
* Data Structure and Algorithms
* Machine Learning
* Introduction to Computer Vision
* Mobile Embedded Systems

**SOFTWARE/APPLICATIONS**

* HTML/CSS(Proficient)
* JavaScript (Proficient)
* Python (Proficient)
* C++ (Proficient)
* C