

## EDUCATION

### San Jose State University (December 2018)

- B.S Computer Engineering
- GPA within top 15% of graduating class (3.44)

### Coursera (December 2018)

- Deep Learning Specialization (Andrew Ng)

## EXPERIENCE

### Software Engineer (Co-op), Western Digital (Sep. 2016 - Present)

- Full stack development ranging from UX/UI design to machine learning implementation.
- Combine natural language processing and clustering algorithms to predict wafer manufacturing metrics.
- Design and develop data analytics dashboards using Angular 6 and D3.js.
- Implement and maintain Flask RESTful application to communicate with backend services.









### Front End Developer, IEEE-Eta Kappa Nu (May 2017 - Dec. 2017)

- Volunteered to design and develop IEEE's engineering honor society's website using Angular.
- Maintained and optimized social media platforms for search engine optimization (SEO).











### UX & Market Research Intern, Impekable (Sep. 2016 - Sep. 2017)

- Attended intensive UX/UI training workshops.
- Researched user trends, habits, & pain points to discover new methods of retention, growth, and monetization.
- Implemented and maintained beta test program for mobile games.
- Designed a mobile application for users to order food easily with their friends.

## PROGRAMS + TOOLS

 Sketch  Photoshop  Tableau  Zeplin  
 Principle  Adobe XD  Git  Jest

## LANGUAGES + FRAMEWORKS

 HTML5  Python  
 CSS3/SCSS  Node.js  
 Javascript (ES6)  C++  
 Angular 6  Java  
 Electron  MongoDB & SQL

## PROJECTS

### Alexa Smart Mirror

- Building a mirror that can overlay information for the user as they are using it.
- Design and develop the front end using Angular 6 and Electron.

### Yelp Review Classifier

- Created a machine learning model that predicts the star rating of a review based on the user's text.
- Utilized bagged classifiers to train over 2 million Yelp Reviews.

### Magic The Gathering RNN

- Generated Magic the Gathering cards and metadata based off of existing cards.
- Applied Andrej Karpathy character level language model algorithm to train a recurrent neural network.

### roomii Messaging App (UX/UI)

- Designed a messaging application for people living with roommates.
- Wireframes designed using Sketch and animated prototypes created with Principle.

### Automated Aquaponics System

- Created ecosystem where fish provide nutrients for plants, and plants filter fish waste.
- Designed web interface to interact with Raspberry Pi components.