

## EDUCATION

### University of California, Berkeley

B.A. Computer Science Major GPA: 3.43

Berkeley, CA

Aug. 2016 – Present

- Relevant Coursework:** Data Structures & Algorithms, Interpretation of Programs, Discrete Math, Foundations of Data Science, Probability and Random Processes

## EXPERIENCE

### Sighten Co. ([sighten.io](https://sighten.io))

Software Engineering Intern

San Francisco, CA

May. 2017 – August, 2017

- Sighten is the leading solar software company providing a solar software platform that supports the entire solar workflow
- Full-stack web development utilizing Python, Django backend, JSON, Angular, CSS and HTML5
- One of two interns who worked in an agile work environment
- Redesigned and incorporated 8 new features into the reporting application of the platform
- My changes resulted in creating a more efficient platform that helped 60+ installers in creating financial reports for their leads which often led to solar panel installations (14, 639 to date)
- Utilized Celery to create asynchronous Solar Report Generation to allow installers to create multiple reports for leads

### Microsoft

Contract Consultant

Berkeley, CA

January 2017 – May, 2017

- Analyzing methods to market accessibility technology to create wider awareness of Microsoft product solutions
- Researching venues to promote customer inclusivity and address customer concerns with Microsoft technology
- Conducted market studies with various organizations in disabled community examining customers values in disability/accessibility tech
- Created portfolio of possible novel venues to enhance accessibility in retail and online space that Microsoft is implementing in 2018

### Invent-A-Bot

Co-Founder and Director

Fremont, CA

February 2008 – 2016

- Founded non-profit organization dedicated to teaching computer science and robotics education at a low cost
- Created age-specific curriculums for Python, LEGO Mindstorms EV3, and HTML to foster interest in engineering
- Expanded IAB to 24 schools within the Fremont School District, teaching over 1000 students in East Bay Area
- Raised a cumulative \$230,000 to invest into computer science education through Invent-A-Bot
- Sold robotics and programming curriculum to Saint Mary's High School in Pune, India for \$15,000

### Intel

Student Developer for Artificial Intelligence

Berkeley, CA

February 2017 – Present

- Chosen to be a select group of undergraduate and PhD students who showcase their work in Machine Learning/Artificial Intelligence through Intel's Student Program.
- Working with Intel engineers and Xeon Phi AI Cluster to create a deep-learning educational application that is able to teach a student computer science based on their learning style
- Held an AI/ML workshop every year for over 120+ students at UC Berkeley's Institute for Data Science

## PROJECTS

### Farmr ([Github Link](#))

January, 2017

- App built in React-Native that takes a picture of a plant, uses spotting on plant leaves to diagnose potential diseases
- Engineered home-screen feed and Watson/TensorFlow image classifier to track health progress of multiple plants

### DBMS (Database Management System) ([Github Link](#))

February, 2017

- Database represented as a double-ended queue (would have been more efficient to do as a hash map)
- Developed methods for database such as create table <name>, load <table>, store <table>, drop <table>, insert into <table>, print <table>, select <table>

## SKILLS & INTERESTS

- Skills:** Java, Python, Angular, Swift, React.js, Numpy, Pandas, TensorFlow, Watson, Ruby, Rails, JS, HTML5/CSS3, MS SQL, Embedded Systems

