

IRENE DEA

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EDUCATION

University of California, Berkeley

August 2014 - May 2018

B.A. Computer Science, Cumulative GPA: 3.91 / 4.00

- **Dean's Honors** Fall 2014, Spring 2015, Fall 2017
- **Edward Frank Kraft Award** Fall 2014
- **Florence Riford Scholarship** Fall 2014 - Spring 2018

COURSE WORK

Computer Architecture · Algorithms · Operating Systems · Artificial Intelligence · Data Structures · Intro to Electrical Engineering · Discrete Math & Probability · Linear Algebra · Computer Security · Internet Architecture & Networking · Machine Learning

EXPERIENCE

Facebook

Software Engineer

October 2018 - present

Menlo Park, CA

Databricks

Software Engineering Intern

May 2017 - August 2017

San Francisco, CA

- Architected and built several highly-requested notebook features and tools that optimize user workflow. [React, Backbone, Scala, HTML, CSS]
- Collected, analyzed, and presented notebook feature usage metrics to measure impact and decide what to build next. [Python, Scala, Spark, SQL]
- Won multiple prizes in company-wide hackathon (Popular Vote: 1st, Customer Impact & Shippability: 1st, Product-Training Team's Choice: 2nd) for two features, then productionized and shipped those features.

University of California, Berkeley

CS61C Computer Architecture Teaching Staff

August 2017 - May 2018

Berkeley, CA

- Lead weekly classroom lectures, office hours, and labs on course material: C language, Assembly language, Memory Management, Map Reduce/Spark, Parallelism, CPU pipelining, Virtual Memory, etc.
- Developed and graded course materials.

SPAWAR Systems Center Pacific

Software Engineering Intern

May 2016 - August 2016

San Diego, CA

- Designed and built nanosatellite emulation device for low-cost and efficient nanosatellite payload testing. [Python]
- Wrote a script that calculates nanosatellite orbital data, power estimates, and generates graphs for analysis. [Python]
- Contributed to a paper for Small Satellite Conference, User Manual, Interface Control Document.

SKILLS

Languages: Python · Kotlin · Scala · Java · C · Javascript · HTML · CSS · Assembly

Technologies: TensorFlow · Pytorch · React · Git · Spark · jQuery

INTERESTS

Drawing · Painting · Badminton · Design · Teaching