

# ESTHER Y. SHIN

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## EDUCATION

### University of California, Berkeley

August 2018 - May 2022 (Expected)

- Bachelor of Science, Electrical Engineering and Computer Science
- Berkeley Certificate in Design Innovation

**Awards/Honors:** The Gates Scholarship; AALA Award; PVSA Gold; Disney Be Inspired Grant

**Relevant Coursework:** Algorithms, Machine Structures, Cloud Computing and SaaS, Data Structures, Structure and Interpretation of Computer Programs, Designing Information Devices and Systems, iOS Development, Web Design, Prototyping and Fabrication

## PROJECTS

### InTune

May 2020

- Created an iOS application where two Spotify users can get a compatibility score based on their listening history
- Utilized Spotify SDK to access user data and Firebase Firestore for app persistency

### BearTracks (HackDavis 2020)

January 2020

- Developed a web platform that helps students plan their academic careers and sort major requirements and prerequisites
- Used HTML, CSS, and Javascript to create website; used Neo4J, web scraping, and graph theory to gather and organize data

### GitIt

December 2019

- Engineered a version-control system that mimics fundamental features of Git in Java utilizing a tree and graph structure

### Enigma Machine

October 2019

- Developed an enigma simulator in Java that takes in descriptions of input configurations and messages to encode or decode

### Yelp Map

February 2019

- Utilized Yelp academic dataset to construct an interactive map of restaurant ratings in Python
- Created a visualization of segmented regions of Berkeley built from a Voronoi diagram using machine learning

## EXPERIENCE

### AXS | Los Angeles, CA

Summer 2020 (Cancelled due to COVID-19)

*Software Engineer Intern*

### Convergent | Berkeley, CA

January 2020 - Present

*Build Team Software Engineer*

- Developing PillaRx, a marketable mobile app which helps users find insurance-based drug alternatives in React Native
- Working with Board Team to organize remote recruitment for Fall 2020 as a recruitment intern

### Berkeley AI Research Lab | Berkeley, CA

January 2020 - May 2020

*Student Assistant*

- Assist UC Berkeley EECS faculty, graduate students, and postdoctoral researchers with logistics in BAIR lab

### Solid Creact | Los Angeles, CA

June 2019 - July 2019

*Project Management Intern*

- Coordinated the 2019 K-Food fair for over 200 exporters and buyers at DTLA Intercontinental Hotel
- Formalized product marketing strategies focusing on digital media and sponsorship of YouTube influencers

### UCLA Summer Research | Los Angeles, CA

June 2017 - July 2017

*Research Intern*

- Analyzed Aberrant Splicing in relation to different types of cancers and other diseases in Dr. Yi Xing's lab

## LEADERSHIP

### Society of Women Engineers | Berkeley, CA

August 2019 - Present

*Webmaster / Public Relations Chair*

- Manage UC Berkeley SWE section website and Piazza page
- Launched weekly email newsletters on MailChimp and designed event covers and promotional stickers
- Led a PR committee of 4 mentees with bi-weekly meetings, socials, and Adobe Illustrator workshops

### UC Berkeley EECS Department | Berkeley, CA

January 2019 - December 2019

*Undergraduate Lab Assistant*

- Assisted Berkeley undergraduate and graduate students with lab assignments for CS10: Beauty and Joy of Computing
- Taught topics of abstraction, recursion, algorithmic complexity, concurrency, and social implications of computing in Python

## SKILLS

**Programming Languages:** Java, Python, C, HTML, CSS, JavaScript, Swift, SQL, Scheme

**Technical:** Git, Linux, Firebase, Bootstrap, Testing/Debugging, Adobe Illustrator/Photoshop/XD, Figma