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 with future functionality to generate a joint playlist for users

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

Gitlet   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
- Teach 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