Ashley Chu

CONTACT

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ABOUT

Passionate and curious sophomore studying electrical engineering & computer science at UC Berkeley with specific interests in software engineering, systems, and computer graphics.

EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY
Aug 2019 - May 2023 (expected)
B.S. ELECTRICAL ENGINEERING & COMPUTER SCIENCE
Activities: SWE (*outreach officer*), Association of Women in EE&CS (*mentorship officer*), CS Kickstart, Codeology, EnableTech, Business Careers in Entertainment (Fall 2020)
Coursework:
   Structure & Interpretation of Computer Systems (CS61A), Data Structures (CS61B), Designing Information Devices and Systems (EECS16A, EECS16B)
   In-Progress: Discrete Mathematics and Probability Theory (CS70), Multivariable Calculus (Math 53)

HONORS & AWARDS

Academic/Merit

- **Fiat Lux Scholar** | *UC Berkeley*
  - 4-year scholarship awarded to top 2% of admits
- **Future Engineer Scholar** | *Amazon*
  - 4-year scholarship + internship
- **Rewriting the Code Fellow**
- **F8 Scholar** | *Facebook ('18 & '19)*
- **ESA Scholar** | *Entertainment Software Association ('19)*
- **Achievement Scholar** | *AXA ('19)*
- **Women's ERG Scholar** | *PG&E ('19)*
- **National HM & Affiliate** | *NCWIT SF Bay Area Aspirations in Computing ('18 & '19)*
- **Featured** | Brotopia by Emily Chang

Service

- **Global Citizen Scholar & Summit Intern** | *Education First ('18)*
- **YSA Summer of Service Grant** | *Disney ('16 & '17)*

SKILLS

Full Proficiency
   Python, Java, HTML, CSS, JS, Git
Working Proficiency
   Ruby, SketchUp, XML, JQuery, Rails, React, Markdown, LaTeX
Design Skills
   Adobe Suite – Photoshop. Illustrator

CURRENT ROLES & EXPERIENCES

AMAZON WEB SERVICES, *DEVELOPER TOOLS*
Software Developer Intern | *May 2020 - August 2020*
- Tackled customer's web platform pain points for 40,000-60,000+ weekly deployments across multiple regions by developing multi-patching support and workflow vulnerability status features
- Built for security patching deployment service using React JS and Ruby on Rails
- Featured intern in Amazon Future Engineer's Cyber Robotics Challenge to be used by 100+ educators and 'Class Chat' speaker to 5+ organizations/schools

UC BERKELEY ELECTRICAL ENGINEERING & COMPUTER SCIENCE
Academic Intern (CS61A & CS61B) | *Jan 2020 - August 2020*
- Directly solved 40+ student trouble tickets
- Assisted teaching basic computer science topics including OOP, recursion, and data structures for 4+ weekly hours, preparing material for 2 hours each week

SHE STEMS
Founder and Executive Director | *Dec 2017 - 2020*
- Established national organization to teach 200+ girls computer science topics
- Mobilized team of 10 high school students and facilitated 15+ workshop programs, assembling curriculum, marketing, and industrial relations components
- Fundraised $15,000+ with support from Disney, NCWIT AspireIT, Raspberry Pi

KODE WITH KLOSSY
Instructor's Assistant | *June 2018, July 2019*
- Instructed 45 girls about web dev/app fundamentals (JS, HTML, CSS, Ruby)
- Carried out logistics regarding catering, speakers, and general assistance

GIRLCON CHICAGO
National Director *Jan 2019 - June 2019*
Sponsorship Director *Jan 2018 - June 2018*
- Implemented one-day conference for 250 girls in Chicago to demonstrate the intersection of STEM with 5+ representatives from diverse industries
- Leveraged corporate partnerships to fundraise $5,000+ with 3+ companies

PROJECTS

ADA EDUCATES
`NodeJS` **`Alexa Skills Kit`** | *Hackathon Project* | *July 2020* | *2nd place @ Amazon*
- Designed and implemented classroom educator tool for Amazon Alexa to help facilitate class through 3 functionalities: break time, study time, lecture time

SENTIMENT ANALYSIS USING MOVIE REVIEWS
`Python` `NLTK` | *Student Organization Project* | *Feb 2020 - May 2020*
- Analyzed movie reviews on Rotten Tomatoes to analyze sentiments of films
- Designed using web scraping and Python NLTK

BELIEVE
`Java` | *Team Project* | *July 2019* | *'best mobile app' awarded by Raspberry Pi*
- Android app to prevent and spread awareness about sexual assault
- Integrated automated camera view and email system to alert specific contacts

LUNA APP
`HTML` `CSS` `JS` | *Hackathon Project* | *Nov 2018* | *2nd place @ Superposition*
- Web-app period tracker educating youth about menstruation
- Incorporated Google Calendar API and JQuery

SHE-QUALITY
`HTML` `CSS` `JS` `A-Frame` | *Team Project* | *July 2018*
- VR experience to display experiences of women in the workforce
- Designed and developed front-end web host on Heroku