ASHLEY CHU

Undergraduate sophomore looking to do good and be creative.

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY   Aug 2019 - May 2023

B.S. Electrical Engineering & Computer Science (EECS) • Art History, Minor *(intended)*

Coursework: Computer Systems, Data Structures, Information Devices and Systems I & II, Discrete Mathematics & Probability, Multivariable Calculus

Awards: UC Berkeley Fiat Lux Scholar (awarded to top 2% of freshmen admits), Amazon Future Engineer Scholar, Rewriting the Code Fellow & Champion ('19), Facebook F8 Scholar ('18, '19), Entertainment Software Association Scholar ('19)

EXPERIENCE

Warner Media, *Core Server*

Software Engineering Co-Op Intern   Jan 2021 - Present

- Managed core server infrastructure for Mobile Gaming Platform utilized by *Game of Thrones: Conquest*
- Implemented Datadog metric logging, DB migration, and AWS EC2/CloudFormation architecture for new features

Amazon, *Developer Tools*

AFE Software Developer Engineering Intern   May 2020 - Aug 2020

- Tackled customer web platform pain points for 40,000-60,000+ weekly deployments across multiple regions for Amazon's internal security patching deployment service
- Configured and developed multi-patching support and vulnerability status features on client-facing portal using React JS, Ruby on Rails, and Selenium with Python
- Featured in Amazon's Cyber Robotics Challenge used by 100+ educators and 'Class Chat' speaker to 3+ classrooms

UC Berkeley Computer Science Department

Academic Intern   Jan 2020 - Aug 2020

- Directly solved 40+ Computer Systems and Data Structures trouble tickets
- Taught basic computer science topics including OOP, recursion, and data structures for 6+ hours week

LEADERSHIP

Association of Women in EE&CS   Aug 2020 - Present

Professional Development Officer, Former Mentorship Officer

- Streamlined professional opportunities, experiences, and resources to suport 200+ members for industry goals

Society of Women Engineers   Aug 2020 - Present

Overnight Host Program Officer, Former High School Outreach Officer

- Coordinate a week-long virtual admit program for 250+ female-identifying Berkeley Engineering admits

She STEMs   Dec 2017 - Present

Founder and Executive Director

- 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

PROJECTS

VSCOdeology │ *Python, Flask*   Sep 2020 - Dec 2020

- iOS application outputting color level palettes of images based on histogram data
- Constructed API structure utilizing OpenCV, NumPy, SciKit-Learn libraries to analyze images

Ada Educates │ *NodeJS, Alexa Skills Kit* │ 2nd place, Amazon Hackathon   July 2020

- Designed and implemented classroom educator tool for Amazon Alexa to facilitate class through break, study, and lecture time features

Sentiment Analysis Using Movie Reviews │ *Python, NLTK*   Feb 2020 - May 2020

- Analyzed movie reviews on Rotten Tomatoes to analyze sentiments of films
- Designed using Requests and Beautiful Soup for web scraping and python NLTK to develop model

SKILLS

Technical: Python, Java, HTML5, CSS3, JavaScript, Git, Ruby on Rails, SQL, JQuery, React, NumPy, Pandas,
Design: Adobe Photoshop, Adobe Illustrator, Adobe After Effects, Sketch, Autodesk Maya
Management: GSuite, Jira, Confluence, Miro