

# HANNAH CHEA

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## EDUCATION

**University of California, Berkeley**

**Aug 2018 - Dec 2021**

**B.A. Data Science** - Emphasis in Business Analytics, Minor in Asian American Studies, Certificates in Entrepreneurship & Design

**Coursework:** Principles & Techniques of Data Science, Artificial Intelligence, Machine Learning, Data Structures, Algorithms, Statistics, Probability, Human Contexts and Ethics of Data, Business Analytics, Marketing, Design Thinking

## SKILLS

**Languages:** Python (Pandas, NumPy, scikit-learn, matplotlib, seaborn, NLTK), SQL, Java, React

**Additional:** Amazon Web Services (AWS) Certified Cloud Practitioner, Microsoft Excel (VBA), Jupyter Notebook, Tableau, Git, Figma

## EXPERIENCE

**UC Berkeley Asian American Studies Program – Research Assistant & Program Intern**

**Feb 2021 – Present**

- Conducted outreach and proper data collection of +100 Southeast Asian American elders and student interviewees to explore the effects of the pandemic on Southeast Asian American community
- Delegated tasks between 3-person intern team to execute social media campaigns, event organizing, and monthly newsletter communications to promote Asian American Studies, tripling user engagement across all platforms

**Madison Square Garden – Counter Logic Gaming Data Analyst Intern**

**October 2020 – Aug 2021**

- Created Python data pipeline to convert & clean +8000 JSON files for each League of Legends game into an easy-to-read table
- Automated game statistics & analysis insight from multiple sources for coaching staff with Riot API & Google Scripts, saving team analyst +20 hours of manual labor a week
- Collected Twitter engagement statistics via API & presented trends through Tableau visualization to make marketing decisions
- Pinpointed social issues and guided discussions to improve internal diversity & inclusion efforts in company with D&I committee

## EXTRACURRICULAR

**Southeast Asian Student Coalition – Operations Chair**

**Aug 2019 – Present**

- United 10 campus groups to discuss monthly how to improve & support falling number of Southeast Asian students on campus
- Facilitated remote and in-person monthly social justice events & workshops to create a supportive space for dialogue amongst marginalized Southeast Asian American community, increasing event attendance from 30 to 50 members over 1 semester

**UC Berkeley Marching Band - Community Outreach & Public Relations Coordinator**

**Feb 2020 – Feb 2022**

- Developed & fostered long-term partnerships with 6 local Berkeley food businesses
- Promoted online & in-person fundraising events with 6 other students, generating +\$12,000 in donations (an 80% increase)
- Curated content for official social media accounts, generating over 20.5K followers & 639.4K likes on new TikTok alone

**Cloud at Cal – Founder & Vice President of Education**

**April 2020 – May 2021**

- Founded the only campus organization related to cloud computing during the pandemic, taught 10-week long introductory cloud curriculum to +20 students, and executed two 8-week long AWS consulting projects for 2 startup companies
- Led project acquisition and client partner correspondence while overseeing team of 3 product managers and 10 developers

## PROJECTS

**Ansari Mathematics** (Python, AWS, JSON)

**June - August 2020**

- Designed & developed database infrastructure & backend API for database updates, secure authorization, booking & messaging system for early-stage tutoring web application startup using AWS DynamoDB, API Gateway, and Lambda services

**Predicting Taxi Ride Duration** (Python, SQL)

**Nov 2019**

- Executed data science life cycle on 98,000-point dataset: data selection & cleaning, EDA, feature engineering, model selection
- Generated and fit linear regression model to predict travel time of a taxi ride in Manhattan
- Improved accuracy of prediction by implementing a tree regression model, decreasing root mean square error by 43%

**Presidential Twitter Data** (Python)

**Oct 2019**

- Used Twitter API to examine distributions & perform exploratory data analysis on 10,000 of President Trump's Tweets
- Evaluated the sentiment and analyzed polarity of tweets using VADER lexicon analysis tool to provide insight into behavior