

# HANNAH CHEA

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## EDUCATION

**University of California, Berkeley**

**Expected 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, Data Structures, Algorithms, Artificial Intelligence, Machine Learning, Statistics, Probability, Linear Algebra, Multivariable Calculus, Human Contexts and Ethics of Data, Business Analytics, Marketing, Design Thinking

## SKILLS

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

**Additional:** Git, Amazon Web Services, Jupyter Notebook, Tableau

## PROJECTS

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

**June - August 2020**

- Utilized AWS DynamoDB, API Gateway, and Lambda to develop database and backend API for database updates, secure authorization, booking system, and messaging system for early-stage tutoring system web application

**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
- Increase accuracy of prediction by implementing a tree regression model & decreased 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 Trumps' Tweets
- Evaluated the sentiment and analyzed polarity of tweets using VADER lexicon analysis tool

## EXPERIENCE

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

**October 2020 – Aug 2021**

- Created Python data pipeline to convert & clean +8000 individual JSON data files for each League of Legends game into an easy-to-read table format
- Worked with Riot API & Google Scripts to efficiently automate game statistics & analysis for the team staff
- Utilized Twitter API & Tableau to collect Twitter engagement statistics and present trends in order to make marketing decisions
- Pinpointed social issues and guided discussions to improve internal diversity & inclusion efforts with D&I committee

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

**April 2020 – May 2021**

- Co-founded new student organization to teach a 10-week long introductory cloud curriculum to +20 students & execute two 8-week long AWS consulting and development projects for 2 startup companies
- Led project acquisition and client correspondence while overseeing team of 3 product managers and 10 developers

## LEADERSHIP

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

**Feb 2019 – Present**

- Negotiated & maintained long-term partnerships with 6 local Berkeley businesses
- Communicated as liaison between the Cal Band & Cal Band Alumni Association to organize 2 professional development events
- 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 19.7K followers & 588K likes on our new TikTok alone

**Southeast Asian Student Coalition - Summer Institute Director**

**Aug 2019 – Present**

- Managed 4-member team to convert our cultural mentorship program into a 2-week long online format for 20 high school mentees & 10 college mentors across the US who relate to the Vietnam War refugee experience
- Organized social justice events & facilitated workshops to create a supportive space for dialogue amongst marginalized Southeast Asian American community on campus