HANNAH CHEA

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EDUCATION

UC Berkeley - *B.A. in Data Science,* *Emphasis in Business & Industrial Analytics* **Expected Dec 2021**
- *Minor in Asian American Studies, Certificate in Entrepreneurship & Technology, Certificate in Design Innovation*

Coursework: Principles & Techniques of Data Science, Data Structures & Algorithms, Artificial Intelligence, Human Contexts and Ethics of Data, Statistics, Probability, Linear Algebra, Multivariable Calculus

SKILLS

Languages: Python (Pandas, NumPy, scikit-learn, matplotlib, seaborn, NLTK), Java, SQL
Additional: GitHub, Jupyter Notebook, Tableau, Figma, Jira, Microsoft Office, Adobe Creative Suite

EXPERIENCE

Cloud at Cal – *Co-Vice President of External Affairs* **May 2020 – Present**
- Handle legal and financial logistics to drive newly-founded club toward its goal of providing educational opportunities to Cal students and consulting services for companies interested in cloud computing
- Aid in acquiring consulting projects as well as developing and maintaining good client relationships

Undergraduate Laboratory @ Berkeley – *Data Science Research Assistant* **Sept 2019 – May 2020**
- Assisted in developing research question and experiment design to explore how Piazza forum data reflects difficulty and time commitment of a particular UC Berkeley course
- Extracted and cleaned Piazza post data in preparation to perform sentiment and data analysis

UC Berkeley University Development & Alumni Relations - *Data Management Work-Study Student* **Sept 2019 – Present**
- Provide data entry, cleanup, and help support to +600 users on Jira for the Cal Advancement Data System
- Manage confidential data for over one million individuals and organizations for university fundraising purposes

ORGANIZATIONS

Cal Band
Drill Writing Committee Co-Coordinator **Feb 2020 – Present**
- Collaborate with 5 team members to develop & design 8 halftime shows to entertain ~40,000 football game attendees
- Work under Drum Major to coordinate Fall Training Program & Teaching Assistant Orientation Program to oversee, motivate, and educate ~200 bandsmen and ~40 teaching assistants about proper marching form

Computer Committee Member **Feb 2019 – Preset**
- Contribute to front-end & back-end work on the Cal Band Members database website and music packet web application
- Utilize GitHub, React, and Django framework as central tools of workflow

Southeast Asian Student Coalition - *Summer Institute Director* **Aug 2019 – Present**
- Manage team of coordinators to organize 5-day mentorship program about Vietnam War refugee identity for 40 high school students and 20 college students across the US
- Facilitate club discussions & events to provide a supportive space for dialogue among Southeast Asian community

PROJECTS

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 of the tweets using Vader Lexicon and analyzed polarity of tweets

Reported Laser Pointings at Aircrafts (Tableau, Excel) **Jan 2019**
- Utilized Tableau and Excel to clean and manipulate data set to explore trends of illegal aircraft laser pointings
- Designed an interactive data visualization on Tableau to effectively organize and present findings with a partner