

CHLOE HOM

Portfolio Website: cahom.github.io
Github: github.com/cahom
Network: tinyurl.com/chloehom
cahom@berkeley.edu □ (415) 832-0896 □ San Francisco, CA

EDUCATION | UNIVERSITY OF CALIFORNIA, BERKELEY | Aug 2016 - May 2020

B.A Data Science, Computer Science - Concentration in Business and Industrial Analytics

Relevant Coursework | Machine Learning, Database Systems, Artificial Intelligence, Internet Architecture, Data Structures, Operating Systems, Web Development, User Interface Design, Data Mining and Analytics, Statistical Probability Business Analytics, Operations and Information Technology Management.

SKILLS

Programming | Python, Java, HTML, CSS, Javascript, SQL, R, Git, Unix, Linux, JUnit, ggplot2, SciPy, Scikit-learn, Pandas, NumPy

Technologies | Windows, Mac, Excel, PowerPoint, Word,

EXPERIENCE

GOODLY LABS, BERKELEY INSTITUTE FOR DATA SCIENCE (BIDS) | Undergraduate Researcher | Sept 2019 - May 2020

- Worked on the Public Editor project for computational text analysis and data extraction on quoted sources, language, and reasoning.
- Experienced data extraction, cleaning, analysis, and presentation for medium to large datasets.

CISCO | Externship intern (Extern) | Mar 2018

- Interfaced with Network Engineers from the Development Engineering and Development Testing team.
- Acquired basics of automation in TCL, pyATS, and the modern network process run on Cisco's testbed hardware and platforms.

BOX | Externship intern (Extern) | Jan 2018

- Interacted in a negotiation workshop hosted by their Senior Legal Director.
- Interfaced with a variety of different roles at Box, including Engineering, Marketing, Platform Design.
- Interacted with software engineers and participated in daily standup and design meetings to observe the communication and collaboration of innovators.

FEMTECH | Programmer | Aug 2016 - Dec 2016

- Student-led program at UCB in which I programmed in HTML and CSS for web development. Created a personal website.

ACTIVITIES

DATA SCIENCE SOCIETY@BERKELEY | Project Researcher | Aug 2018 - Dec 2018

- Researched trends on Crowdfunding/Kickstarter and why certain products are more successful than others in aspects of release date/season, marketing, audience, product, vision, etc.
- Used Python, Pandas, and Jupyter notebook to display data visualizations (Matplotlib, Pyplot, ggplot2) and data findings.

VIRTUAL REALITY@BERKELEY | Outreach | Jan 2018 - Aug 2018

- Executed virtual reality events and technical learning solutions for the Berkeley community hands-on.
- Partnered with augmented reality engineers to develop user scenarios and feature planning requirements.

CSA | Design, External Vice President | Aug 2018 - May 2020

- Lead Outreach/Publicity and Design teams to ship quality merchandise products and flyers.
- Handled all communication between members and other organizations to manage large banquets/performances on campus

PROJECTS

TRANSPORT

- Created a userspace implementation socket that implements a TCP protocol in Python.
- Executed and designed a network simulator and Python TCP/IP stack

MACHINE LEARNING CLASSIFICATION

- Implemented neural nets for regression, handwritten digit classification, language identification using Python, PyTorch, Tensorflow

AIRBNB HOST PRICING MODEL

- Predicted NYC rental prices and optimization pricing strategy for Airbnb Hosts categorized by private/shared room, entire home/apartment using Pandas, R, and Python.
- Approached through data cleaning, data analysis, decision tree classification, neural networks (MLP classifier, Keras)

DOORDASH DELIVERY TIME PREDICTION

- Accountable recommendation on predicting and improving delivery time using data analysis and feature engineering.
- Focused on the product life cycle of a delivery order to create strong predictive features and better A/B training/test sets.

SPOTIFY PRODUCT & USER INTERFACE (UI) RECOMMENDATION

- Designed future light/dark mode and simultaneous listening app features developed with HTML, CSS, JavaScript, Illustrator.
- Gathered customer feedback to promote its mission beyond music, and about self discovery, curation, and social interactions.