CHLOE HOM

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

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

Relevant Coursework | Machine Learning, Database Systems, Artificial Intelligence, Internet Architecture and Protocols, Data Structures, Structure and Interpretation of Computer Programs, Social Implications of Computer Technology, Data Mining and Analytics, Statistical Probability, Principles & Techniques of Data Science, Business Analytics, Statistics, Marketing, Operations and Information Technology Management, Data Science Probability, Science and Engineering Ethics

SKILLS

Programming | Python, Java, Html, CSS, Javascript, SQL, R, Pandas, NumPy, Git, JUnit, Jupyter
Technologies | Adobe Creative Cloud (Photoshop, Illustrator, XD, InDesign), Excel, PowerPoint, Word, Figma, Sketch

EXPERIENCE

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

- Worked on the Public Editor project and applied data processing knowledge.
- Performed computational text analysis on quoted sources, language, argument, and reasoning.

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

- 10- week 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, etc.
- Used Python, Pandas, and Jupyter notebook to display data visualizations and data findings.

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

- Executed virtual reality events and technical learning sessions for the Berkeley community hands on.
- Contributed to planning Bay Area Hackathons and contacting sponsoring companies/workforce.

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

- Oversees the Outreach/Publicity and Design teams of Chinese Student Association.
- Handles all communication between club members, other organizations, and student government on campus.
- Manages large functions/banquets/shows on campus including food, performances, and sales

AAA | Public Relation, Design Officer | Jan 2017 - May 2019

- Ran Instagram and Facebook social platforms to endorse campus events for Asian American Association.
- Digital marketing and graphic design of flyers, banners, Snapchat and Facebook overlays/filters designed with Adobe Creative Cloud software.

PROJECTS

TRANSPORT | Spring 2020

- Created a user space implementation Socket that implements a TCP protocol in Python.
- Provided a network simulator and Python TCP/IP stack.

AIRBNB HOST PRICING MODEL | Fall 2019

- 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)

MACHINE LEARNING CLASSIFICATION | Spring 2019

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

INDIEGOGO KICKSTARTER CLASSIFICATION AND SUCCESS PREDICTION MODEL | Fall 2018

- Predicted probability of success given categories, title length, pledge/goal amount using Python and Pandas.