CHLOE HOM

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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, Web Development, User Interface Design, Marketing, Data Mining and Analytics, Statistical Probability, Data Science, 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 | 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 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 Officer | Jan 2018 - Aug 2018

- Executed virtual reality events and technical learning solutions 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

- Lead Outreach/Publicity and Design teams of the Chinese Student Association.
- Handled all communication between club members, other organizations, and student-led government on campus.
- Managed 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 growth.
- 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 userspace implementation Socket that implements a TCP protocol in Python.
- Executed and designed 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, PyTorch, Tensorflow

INDIEGOGO KICKSTARTER CLASSIFICATION AND SUCCESS PREDICTION MODEL | Fall 2018

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