

# Christopher Wang

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## EDUCATION

### University of California, Berkeley

**GPA: 3.68/4.00**

Dual Degree: Computer Science, Statistics

*Expected, December 2022*

- **Relevant Coursework:** Data Structures, Efficient Algorithms, Discrete Mathematics, Information Systems, Linear Algebra and Differential Equations, Foundations of Data Science Probability Theory
- **Activities:** Valley Consulting Group, Computer Science Mentors, Intramural Basketball

## PROFESSIONAL EXPERIENCE

### Reddit, Inc

**Berkeley, CA**

*Technical Consultant*

*September – Present*

- Consulted head of business operations to devise a comprehensive strategy to accelerate Reddit's advertising revenue growth
- Researched and analyzed marketing tactics for 8+ advertising models within the direct advertising landscape to identify possibilities of improvement in Reddit's advertising strategy and provide recommendations for marketing priorities
- Conducted case studies on 10+ verticals through interviews to analyze competitor landscape and create implementation plan

### UC Berkeley EECS Department

**Berkeley, CA**

*Teaching Assistant*

*August 2020 – Present*

- Coordinated 10+ topical labs and discussion sessions for 50+ students for the introductory algorithms course at UC Berkeley
- Identified and reached out to students to adapt to a shift to an online curriculum as a result of the novel coronavirus
- Improved student learning by providing personalized support to 200+ students at office hours to ensure conceptual mastery
- Instructed topics on higher-order functions, data structures, recurrence relations, and object-oriented programming principles

### Lawrence Berkeley National Laboratory

**Berkeley, CA**

*Research Intern*

*May 2020 – August 2020*

- Analyzed and interpreted 200+ datasets of Higgs Boson elementary particle produced from CERN's Large Hadron Collider
- Implemented maximum likelihood fit and regression models to engineer solutions to particle classification problems
- Produced 20+ plots and data visualizations of particle diphoton invariant mass distributions and transverse momentum

### Juni Learning

**San Francisco**

*Computer Science Instructor*

*March 2020 – August 2020*

- Directed weekly private lessons to 30+ students with project-oriented curriculum emphasizing fundamental computing concepts such as recursion, inheritance, data structures, runtime and space complexity, Big-O, and sorting algorithms
- Curated curriculum to student's progress and conducted personalized check-ins to evaluate areas for curriculum improvement

### Valley Consulting Group

**Berkeley, CA**

*Consultant*

*August 2020 – Present*

- Conduct statistical analysis with market and competitive research data to market size and predict future growth rates
- Assessed business strategies of clients, including analysis of working capital, process workflow, and new business opportunities
- Developed and lead technical workshops to teach computer science and data science principles to incoming consultants

## PROJECTS

### SweetTweet – iOS Application & Twitter Recommendation System

*August 2020 – Present*

- Headed a team of 5 software engineers to develop tweet recommendation system using Twitter Developer API and TweetBy
- Implemented KNN and matrix factorization models to stream personalized tweets utilizing user engagement history
- Integrated recommendation system with iOS app featuring group chat channels to provide users a space to share digital content

### Stonks – Stock Public Sentiment Analyzer & Trading Bot

*March 2020 – June 2020*

- Built an automated stock trading bot through Alpaca's Trading API utilizing pairs trading algorithm to predict optimal buying and selling points while accounting for daily volatility and live news events through sentiment analysis on MarketWatch
- Implemented email notification system to alert user of active trades and bi-weekly updates using Google Cloud Platform

### EyeClothes – Image Classifier

*May 2020 – June 2020*

- Implemented neural network to classify images of clothing into shirts, trousers, dresses, and sneakers with 95% accuracy
- Built in Python using Tensorflow, Keras, and pandas to vectorize images and build supervised learning model

## SKILLS & INTERESTS

**Skills:** Java, Python, C++, SQL, JavaScript, HTML, CSS, Swift, Node.js, tensorflow, Sci-Kit Learn, Git Version Control, unit testing

**Statistical Models:** Linear and logistic regression, KNN, SVM, regularization, gradient descent, alpha-beta pruning, PCA

**Interests:** Basketball, Stocks, Consulting, Piano and Classical Music, Reading, Dancing, Gaming