Jason Chin

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Education

- **University of California, Berkeley** **Berkeley, CA**
  Computer Science B.A. *2015-2019 (Expected May Graduation)*
  Statistics B.A.
  Data Science B.A.
  - **GPA:** 4.0 *Major/Technical*
  - **Relevant Coursework:** Data Structures (A+), Machine Structures (A+), Algorithms (A+), Operating Systems (A+), Database Systems (A+), Computer Security (A+), Internet Architecture and Protocols (A+), Discrete Math and Probability Theory (A+), Concepts of Probability (A+), Artificial Intelligence (A+), Machine Learning (A), Natural Language Processing (A+), Data Science (A+)

Work Experience

- **Amazon Lab126** *May 2018-Aug 2018*
  Software Development Engineering Intern
  - Designed and implemented new features for the upcoming FireOS tablet software release
  - Iterated with users and QA to fix multiple critical issues that directly impacted user functionality
  - Refactored production level code by redesigning buggy unclear code into functionally correct clean code
- **WePay** *May 2017-Aug 2017*
  Software Engineering Intern
  - Developed a code generation tool to generate customizable SDKs for the WePay API in multiple languages
  - Saved WePay engineers time and resources by automatically generating SDKs on API version changes
  - Collaborated with the API team to design a user-friendly SDK that partner developers use
- **Teaching Assistant for Operating Systems (CS162)** *Aug 2018-Present*

Research Experience

- **Berkeley Institute for Data Science** *Feb 2017-May 2017*
  Data Science for Social Good Projects Team
  - Worked with a team to develop a recommendation system to match research grants to Berkeley faculty
  - Designed a web app for the Berkeley Research Development Office to use to search for accurate matches
  - Set up a pipeline to scrape, preprocess, and store grant website data to use for our recommendations

Projects

- **NBA Daily Fantasy Sports Prediction Model** *Feb 2016-Dec 2018*
  - Cleaned and analyzed player statistics after using web scraping techniques to collect data
  - Trained and ensembled XGBoost models using thousands of rows of data to predict a player's score
  - Applied a variation of the Knapsack Problem solution to optimize the best lineups for each day
  - Designed a dashboard using Flask to collect NBA news and injury reports to make informed decisions
- **Highlight Tool: Google Docs Add-on (440,000+ users)** *May 2015-Dec 2017*
  - Developed an add-on to help students and educators organize and highlight their Google Docs
  - Interacted with users and their feedback to enhance and add additional features to the add-on
  - Collaborated with the Director of Technology in Education at Berkeley to improve the add-on

Class Competitions

- **NP Hard Approximation Competition (1st Place)** *CS170 (Efficient Algorithms and Intractable Problems)*
  - Approximated the Independent Knapsack problem using greedy and hill climbing algorithms
  - Designed the algorithm that produced the most optimal and correct results out of a class of 600 students
  - Presented and explained the various algorithms and thought processes in my solution to the class

Skills

Proficient Languages: Java, Python, Javascript, SQL, R, Google Apps Script
Experience with: Go, C, HTML, CSS
Tools: Spark, d3.js, Flask, Django