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.
  - **GPA:** 4.0 *Major/Technical*
  - **Relevant Coursework:** Data Structures (A+), Machine Structures (A+), Discrete Math and Probability Theory (A+), Concepts of Probability (A+), Computing with Data (A), Efficient Algorithms and Intractable Problems (A+), Database Systems (A+), Artificial Intelligence (Fall 2017), Machine Learning (Fall 2017), Natural Language Processing (Fall 2017)

Work Experience

- **WePay** *May 2017-Aug 2017*
  Software Engineer Intern
  - Developed a code generator to generate customizable SDKs for the WePay API in multiple languages
  - Saved WePay engineers time and resources by it automatically generating the SDKs on API version changes
  - Collaborated with the API team to help design a user-friendly SDK for partners to use

Research Experience

- **Berkeley Institute for Data Science** *Feb 2017-Present*
  Data Science for Social Good Projects Team
  - Working with a team to develop a recommendation system to match research grants to Berkeley faculty
  - Designing a web app for the Berkeley Research Development Office to use to search for accurate matches
  - Setting up a pipeline to scrape, preprocess, and store grant website data to use for our recommendations
- **Berkeley Media Studies Department** *Sep 2016-Jan 2017*
  Data Analyst/Management - Research Apprentice
  - Improved the workflow of data entry and data storage by writing scripts in GAS to reduce data entry time
  - Created interactive and dynamic visualizations using d3.js that allow users to create customized charts
  - Streamlined data directly from Google Sheets into a MySQL database using GAS-Python execution calls

Projects

- **NBA Daily Fantasy Sports Prediction Model (Python)** *Feb 2016-Present*
  - 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 Django to collect NBA news and injury reports to make informed decisions
- **Highlight Tool: Google Docs Add-on (240,000+ users)** *May 2015-Dec 2016*
  - 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 a class of 300+ students
  - Presented and explained the various algorithms and thought processes in my solution to the class

Skills

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