BILLY LIN

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EDUCATION

University of California, Berkeley   *GPA: 3.4*
Bachelor of Arts (B.A.), Major: Computer Science   Graduation: Jun 2021
• **Current Coursework**: Principles and Techniques of Data Science, Discrete Mathematics and Probability Theory, Designing Information Devices and Systems I
• **Previous coursework:** Data Structures, Calculus, Foundations of Data Science, Structure and Interpretation of Computer Programs

EXPERIENCE

Madsen Lab   **Berkeley, CA**
Data Analyst   *Sept 2018 - Present*
The Madsen Lab cooperates with the Good Food Purchasing Program to analyze large data sets of national high school food purchases in order to evaluate the ethicality of those purchases.
 • Was part of the project initialization, created and managed over 50 dataframes, wrote first lines of code
 • Came up with specifications for cleaning the data and also debugged other interns' code
 • Used Pandas and NumPy packages extensively in order to analyze data on Google Colaboratory

Berkeley Model United Nations   **Berkeley, CA**
Vice President of Business Partnerships   *April 2019 - Present*
BMUN is the oldest Model United Nations Conference in the world and has over 2000 students attend its March conference every year.
 • In charge of leading, regularly communicating with, and managing an established 90-person club
 • Project portfolio includes a 200-attendee conference in November which I lead, all business partnerships (partners include United Airlines, Marriott Hotels, Pronto Transportation), and conference expansion
 • Part of the officer corps that manages a >$100 000 budget for event bookings, internal development, delegate scholarships, and delegate education

PROJECTS

Gitlet - *Java, Git*   *Fall 2019*
 • A working version of Git "Lite" with Java, which is a Version Control System with the basic commands of Git, such as Add, Commit, Branch, Checkout, Merge, and more. Uses SHA-1 encoding, file serialization and deserialization, and data structure algorithms.

Tablut - *Java, Git*   *Fall 2019*
 • A Scandinavian board game, complete with its own AI for players to compete against. Utilizes Min-Max trees to make decisions.

Bay Area Restaurant Analysis - *Python*   *Spring 2020*
 • Worked with large datasets of Bay Area restaurant inspections and codebooks to create complex visualizations, utilizing merges, joins, gouping, and multi-indexed dataframes.

TECHNOLOGIES

 • **Proficient Languages**: Python, Java, SQL
 • **Tools**: Git, Google Colaboratory, Jupyter, Unix, Squarespace, PyTorch, Pandas, NumPy

INTERESTS
Swim instruction, combat sports, jazz history, international relations