Amelia Li

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EDUCATION

Harvard University   **Aug 2022 – Present (Expected: May 2024)**
MS in Data Science | *GPA: 4.0*   *Cambridge, MA*

University of California, Berkeley   **Aug 2020 – May 2022**
BA in Data Science | *GPA: 3.85 (Distinction in General Scholarship)*   *Berkeley, CA*
Domain: Business and Industrial Analytics
- **1 of 8** students to be awarded the **Outstanding Data Science Undergraduate Award** in recognition of my performance and contributions to the Data Science community at University of California, Berkeley.

PROGRAMMING LANGUAGES & SKILLS

- **Programming Languages:** Python, C++, SQL, R, HTML/CSS, Javascript (D3.js)
- **Skills:** Machine Learning, Causal Inference, Hypothesis Testing, Data Analytics, Business Analytics, Predictive Modeling, Exploratory Data Analysis, Natural Language Processing, Neural Networks, Data Visualization, Tableau, Web Scraping, NumPy, A/B Testing, Supervised and Unsupervised Learning

EXTRACURRICULARS

University of California, Berkeley   **Aug 2021 – May 2022**
Undergraduate Student Instructor   *Berkeley, CA*
- Directly taught the Data 8: Foundations of Data Science course to 120 students in the Data Scholars program.
- Conducted weekly office hours to provide individualized support and guidance to students.
- Successfully scaled the program from 60 to **120** students in 1 semester.

University of California, Berkeley   **Aug 2021 – May 2022**
Peer Advocate Outreach Intern   *Berkeley, CA*
- Advised newly admitted and continuing transfer students on how to navigate campus resources and opportunities.
- Utilized Photoshop and Canva to create informative and eye-catching biweekly newsletters to update transfer students regarding the latest events and important reminders, garnering over **6,000** readers per release.

NASA Lucy Student Pipeline Accelerator and Competency Enabler (L'SPACE)   **Aug 2020 – Dec 2020**
Student   *Remote*
- Remotely collaborated with fellow STEM major students from all over the country in designing a lander mission concept targeting the Tiger Stripe region on Saturn's Moon, Enceladus.
- Utilized JMARS to capture strategic science focusing on the fissures in the South polar region of Enceladus.

E-Commerce Entrepreneur   **Dec 2017 – Dec 2021**
Owner   *Singapore*
- Launched products on Etsy and Shopify, received the Etsy Best Seller badge demonstrating strong demand and customer satisfaction.
- Successfully conducted social media marketing campaigns on Instagram and YouTube, accumulating over **200,000** followers combined.
- Utilized SEO techniques to boost search ranking of products to the first page of Google and Etsy.

PROJECTS

AutoDiff (GitHub) (Test PyPI)   *Git, GitHub, Python, pytest*
Created an intuitive and beginner-friendly software library that performs forward mode (using dual numbers) and reverse mode (using computational graphs) automatic differentiation. Installation available through Test PyPI.

Movie Recommendation System (GitHub)   *Python, Jupyter Notebook, SciPy, scikit-learn*
Made a low barrier of entry (i.e. quick to implement) movie recommendation system using non-invasive user data (movie ratings) using KNN clustering, cosine similarity, and t-SNE.

Spotify Song Success Prediction (GitHub)   *Python, Jupyter Notebook, TensorFlow, scikit-learn*
Performed Spotify tracks analysis (on song duration, genre, tempo etc.) and success prediction (popularity percentile) using logistic regression, decision tree, k-nearest neighbors, random forest, and neural network.