CHRISTOPHER CHOU

christopherchou@berkeley.edu • linkedin.com/in/chrisychou • (510) 358 - 0455 • github.com/babychousr

EDUCATION

UC Berkeley - Management, Entrepreneurship, & Technology Program   **Expected June 2024**
B.S. Electrical Engineering & Computer Science + B.S. Business Administration
- GPA: 4.0
- Cal Alumni Association Leadership Award Scholar

Relevant Coursework: Data Structures, Linear Algebra & Differential Equations, Multivariable Calculus
Organizations: Berkeley Venture Capital, MET Accelerator, Berkeley IEEE, Computer Science Undergraduate Association

EXPERIENCE

Experify   **Berkeley, California**
Software Engineering & Data Science Intern   June 2021 - Aug 2021
- Experify is a platform that helps customers get honest opinions about products by connecting them with owners
- Designed a Jinja-based analytics dashboard to display user-interaction data using Firebase, Bootstrap, and Plotly
- Developed an algorithm for detecting fraud between product owners and customers through anomaly detection, vector-based similarity measures, and unsupervised pattern extraction, tagging 50+ message threads

Berkeley Skydeck   **Berkeley, California**
Website Development Intern   May 2021 - Aug 2021
- Architected the SkyDeck website to facilitate interactions between 1,000+ investors and 16 startups on Demo Day
- Conducted a data-driven operation to study user behavior and determine high-impact changes for the website, increasing user engagement by 670% using website heatmaps, funnel analysis, and usability testing
- Audited the Canadian Technology Accelerator Demo Day, TTA Global Innovation Showcase, and Skydeck Intern Fair featuring 85+ startups, improving SkyDeck's deal flow process in a virtual environment
- Automated onboarding process to manage Skydeck's growing network of 350 advisors and mentors using Selenium

University of California, Santa Barbara   **Santa Barbara, California**
Student Researcher   June 2020 - Aug 2020
- Developed a computational simulation using Kwant package to simulate electronic transport in Dirac semimetals, analyzed electronic transport data using Numpy, Pandas, and Matplotlib and designed topological nanoelectronics
- Best poster at 9th Conference on Materials Science & Engineering, published in IOPScience Journal of Physics (Paper)

The Ember Initiative   **Fremont, California**
Operations Lead   Jan 2019 - Current
- 501(c)(3) non-profit that brings technical education for 300 underprivileged Bay Area students at libraries and online
- Raised over $5000 through fundraising campaigns with Title One Schools, Rexav LLP, BlackRock, and GoFundMe
- Developed the web-app using Flask which hosts lectures on data analysis and machine learning (Website)

PROJECTS

- **High-Resolution Climate Change Projections Generator** *(Paper) - Tensorflow.* Developed a Convolutional LSTM to statistically downscale precipitation data from a coarse-resolution of (2.5 x 2) to a fine-resolution of (0.25 x 0.25).
- **Glass-Epoxy Laminated Composites Optimization Tool** *(Paper) - MATLAB.* An optimization tool using shear deformation theory and higher-order finite element method to investigate applications of glass-epoxy structure.
- **Stock Closing Price Predictor** *(Paper) - Keras, NLTK, Pandas, GloVe.* An LSTM model that utilizes quantitative trading patterns, crowdsourced sentiment analysis, and attention mechanism to forecast AAPL.
- **Picture Perfect** *(Project) - iOS/Swift, CoreML, WebRTC, React.* An application that assists presenters by detecting their video engagement and analyzing their speech; 1st at Hackdemonium.
- **Bread and Butter** *(Project) - Flask, Stripe, AWS, word2vec.* A platform for users to order from AI-recommended restaurants and support activist organizations; 2nd at Epsilon Hacks.
- **Food For Thought** *(Project) - Django, Google Cloud Vision, Beautiful Soup.* A web-app where users discover harmful ingredients in their food by taking a photo of their food label; 2nd at SigmaHacks.

ADDITIONAL INFORMATION

- **Skills:** Java, Python, C/C++, HTML/CSS/JS, R, React, Node.js, Firebase, Flask, Tensorflow, Google Cloud, Adobe XD
- **Awards:** USACO Gold, Six-time Hackathon winner, 1st in NorCal DECA, 8th in California DECA, National Merit Designee
- **Interests:** Mixed Martial Arts (Taekwondo), Podcasts (Joe Rogan, Lex Fridman), Investing, Video-making, Blogging