

ISA K. CHAU

ikchau@berkeley.edu || (949) 338-3074 || [linkedin.com/in/isa-chau](https://www.linkedin.com/in/isa-chau) || isa-chau.com

Data Science master's graduate at UC Berkeley School of Information with skills in statistics and causal inference, machine learning, data visualization, design thinking, and data pipelines. Diverse academic and professional experience. Formerly a special educator, creative and technical partner for a culinary media startup, and nationally competitive athlete in two sports.

EDUCATION

University of California, Berkeley | Master of Information and Data Science | GPA: 3.91 August, 2020

Winner of 2020 5th Year MIDS Capstone Award, sponsored by DataBricks

Selected Coursework:

Statistics for Data Science | Research Design and Applications | Applied ML | Data Engineering
Data Visualization | NLP with Deep Learning | Humans and Values | Experiments and Causal Inference

University of California, Berkeley | B.S., Nutrition & Toxicology | Journalism Minor May, 2019

SKILLS AND SOFTWARE

Python | Sklearn | R | Regression Analysis | Causal Inference | GDPR and CCPA
GCP | AWS | Tableau | SQL | HTML/CSS/JS | Kafka | Spark | Flask | Docker | Hadoop HDFS
Microsoft Office | Google Workspace | Adobe Creative Suite
Public speaking, presentation/communication, and client-relations

PROJECTS

[Gredient for iOS](#) | Product Manager/Data Scientist/iOS Developer 2020

- Winner of the [2020 5th Year MIDS Capstone Award](#), sponsored by DataBricks.
- Machine vision-powered app to help consumers avoid allergens when shopping.
- Built in Swift and AWS (API Gateway, DynamoDB, Lambda, Cognito).

[Efficacies of Different Motivational Incentives](#) | Researcher/Web Developer/Data Scientist 2020

- Study comparing egocentric and altruistic incentives for completing simple tasks. Used Facebook Ads, created websites and data pipeline, and performed statistical tests in this causal inference experiment.

[BERT For Summarization: Sentiment Analysis for Identifying Gender Bias](#) | Researcher/Data Scientist 2020

- NLP project examining a deep learning summarization model for gender bias using a lightweight approach.

[Poisonous Mushrooms - Dimensionality Reduction, Clustering, and Classification](#) | Data Scientist 2020

- Model for identifying poisonous mushrooms, with PCA for data visualization and dimensionality reduction, a demonstration of clustering with KMeans, and classification with Gaussian Mixture Models.

EXPERIENCE

Planet Murple, Inc (now CooCook) | Media Production Lead | Berkeley, CA 2016 - 2017

- Spearheaded production of live-action, stop-motion, and animated video content. Led teams in areas of concept storyboarding, photography, editing and animation, and publishing strategies.
- Served as technical bridge between external contractors and in-house artistic team via Adobe Premiere Pro and After Effects. Communicated and delivered concepts and desired assets between parties.
- Collaborated with marketing departments of external partners to produce crossover social media content, expanding market reach.
- 2017 Big Ideas Contest – Planet Murple [won a \\$10,000 grant and took 2nd place](#) in our category out of hundreds of social-impact startups for our strategy to improve children's nutrition.

Grassroots Strength and Conditioning | Athletic Trainer | Berkeley, CA 2017 - Present

- Analyzed individual client performance and provided personalized coaching, improving the strength/conditioning, balance, and coordination of clients ranging from NCAA D1 athletes to the elderly.
- Community-building through fostering personal relationships with 200+ gym members as well as volunteer work at special events such as Barbells for Boobs charity fundraiser and the annual CrossFit Open.
- Effectively planned, organized, and managed class group and gym environment to optimize athlete experience, engagement, and improvement while maintaining class flow and punctuality.

Paul the Tutor's Education Center | Tutor - Learning Disabilities Specialist | Oakland, CA 2015 - 2016

- Fostered relationships with middle to high school aged students diagnosed with ADHD, dyslexia, and other learning challenges in order to help improve their school grades and standardized test scores.
- Used wide range of knowledge in chemistry, biology, math, and SAT/ACT test preparation to break down complex information and present it to students in more easily understood concepts.