

ANDREW CHOW

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Strongly driven Applied Statistics and Data Science major looking for a Data Analyst Position

EDUCATION

University of California, Santa Barbara

2017 - 2021

Applied Statistics and Data Science Major

-Relevant Coursework: Measuring the Environment (GEOG 175), Statistical Learning Machine Learning (Pstat 131), Graduate Level Time Series Analysis (Pstat 274), Advanced Statistical Models (Pstat 127) , Data Science (PSTAT 134), Design of Experiments (Pstat 122)

-Extracurriculars: UCSB Excursion Club; Data Science Club; American Marketing Assoc.; Actuarial Association

WORK EXPERIENCE

UC Santa Barbara

(Fall 2020 - Spring 2021) Undergraduate Research Assistant

- Lead Statistician on team researching public health outcomes of 1M residents living in the Meghalaya, India

- Used SQL/Python/R to synthesize household and state health data and communicate actionable insights to field teams

UBS

(Summer 2020) Wealth Management Summer Analyst

- Developed ESG-focused wealth management pitch deck for prospective high net worth clients by interviewing 5 internal SMEs and executive stakeholders to incorporate best practices

- Used data driven equity research to create a strategic asset allocation portfolio optimizer

- Projected 40% returns for high net worth client year-over-year by strategizing and executing strategic asset allocation program

Puka Girl Shave Ice

(2016 - 2018) Founder

-Founded artisanal, home-grown Bay-Area based Hawaiian shave ice catering business catering major regional sporting events, city-wide holiday celebrations, and private events

-Generated \$5K in sales, a 350% increase from Y1 to Y2, by establishing product-market fit, optimal pricing strategy, and targeted marketing and positioning tactics

-Sourced 5 key partnerships worth \$15K in potential customers with triathlons, city councils, and country clubs through stakeholder management and business negotiations

PROJECTS

Strategic Asset Allocation Portfolio Optimizer

- Proposed and created strategic asset allocation trading tool to optimize and diversify wealth management portfolios for prospective high net worth UBS clients

- Allows for end user to construct, evaluate, and optimize custom personalized portfolio using real-time financial data, creating a visual display of efficient frontier and outputting the users' optimal asset distribution

Time Series Analysis Forecasting Retail Sales of US Clothing & Clothing Accessory Stores

- Forecasted the sales of clothing and clothing accessory stores 12 months into the future using seasonal autoregressive integrated moving average (SARIMA) models, Box-Jenkins methodology, and spectral analysis

- Identified key insights on sales fluctuations due to inflation and seasonal demand; presented findings to graduate level time series class

Statistical Machine Learning Analysis of 2016 Election

- Developed statistical machine learning analysis project examining how demographic variables influence election outcomes in American Politics

-Implemented PCA, Hierarchical Clustering, RandomForest, and Linear Regression models to visualize county-by-county racial demographics and investigate population proportion influence on election outcomes

-Presented findings to senior faculty, demonstrating the intertwined effect urbanization, income inequality, and race have on elections and election outcomes

SKILLS & INTERESTS

Languages/Programming:

French, Excel, Python, SQL, R, C++, SAS, AWS, Tensorflow, Keras, Selenium, BS4. Spark

Interests:

Sustainability, Climate & Energy, ESG, Snowboarding, Paragliding, Cooking, Backpacking