Erica Millwater

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EDUCATION

UCLA ANDERSON SCHOOL OF MANAGEMENT   Los Angeles, CA
Master of Science in Business Analytics (MSBA)   Expected December 2019
- Coursework: Optimization, SQL and Data Management, Mathematics and Statistics for Analytics, R Programming Essentials
- UCLA Anderson Merit Fellowship

UNIVERSITY OF CALIFORNIA, LOS ANGELES   Los Angeles, CA
Bachelor of Arts in Business Economics   June 2018
- GPA: 3.828
- Coursework: Econometrics, Advanced Financial Econometrics, Statistics for Economists, Investments Optimization

SKILLS

- **Programming Languages**: SQL, R *(dplyr, ggplot2, data.table)*, Python *(NumPy, SciPy, Pandas, Matplotlib, Scikit-learn),* Java, JavaScript
- **Software**: Excel, Stata, Tableau, Grow
- **English/Spanish Bilingual**

EXPERIENCE

MAYOR'S OFFICE OF BUDGET AND INNOVATION   Los Angeles, CA
Data Analytics Volunteer, Data Angels Project   October 2018 – Present
- Analyzing Census and Metro data using Python to quantify average commute metrics for 77 Los Angeles neighborhoods, providing policymakers with a proxy for livability disparities throughout the city.
- Performing geo-mapping and spatial analysis using R and Python to synthesize findings in an interactive heat map, highlighting regional descriptive statistics, commuter trends over time, and outlier neighborhoods.

GVNG   Los Angeles, CA
Product Analyst Intern   June 2017 – May 2018
GVNG is a technology company whose SaaS platform automates compliance and operations for nonprofit organizations.
- Aggregated BI data from eight major sources (such as MySQL, Zendesk, QuickBooks and Google Analytics) into Grow and built automated reports and live visualizations for management, reducing workload of senior staff by 20 hours per week.
- Analyzed product data from 50 beta clients using R to pinpoint workflow steps that confused users, leading to management's decision to hire content consultant to rewrite elements of platform's copy.
- Performed predictive and financial modeling using R and market research to help price the four product tiers, enabling sales and marketing teams to appropriately target clients and begin outreach.

MARRIN COSTELLO JEWELRY   Los Angeles, CA
Business Development Intern   January 2016 – December 2016
- Calculated and created visualizations for 12 key performance indicators (KPIs), providing management with digestible metrics related to company finances and growth.
- Analyzed profit margins for 30 products using Excel, ensuring items were appropriately priced and that products with the highest margins were the focus of marketing campaigns.
- Researched and analyzed retail data and marketing trends for five US regions, providing brand expansion recommendations that helped company double size of operations in 2016.

PEDIATRIC AIDS COALITION AT UCLA   Los Angeles, CA
Director of Finance   April 2017 – June 2018
- Analyzed previous operating budget and created new $550K budget for 2017-2018 year in Excel, decreasing organization's overhead and fundraising expenses by over $16K.
- Used Excel and R to generate weekly finance reports and fundraising visualizations for Executive Board, strengthening strategic decisions for programming, marketing, fundraising, and operations committees.

ADDITIONAL

- Passionate about running marathons, TED talks, and New Jersey bagels.