Brian Yang

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A highly organized professional with a strong foundation in data visualization and analytics, interested in data analyst or data engineer positions to supplement the team with outstanding writing and communication skills. Passionate about offering data-driven insights to empower others to make educated decisions tailored to best suit their evolving needs.

EDUCATION

University of California, Berkeley — May 2020
B.A. in Data Science and Cognitive Science

CERTIFICATIONS

AWS Certified Cloud Practitioner — Jun 2021

PROFESSIONAL EXPERIENCES

West Big Data Innovation Hub – Berkeley, CA — Oct 2020 - Present
Data Analyst – Paid Remote Position
 – Implemented a prototype dependency wheel to showcase interdependencies of 10+ programs to the hub's strategic goals in order to supplement the proposal used to secure $600k additional funding from the National Science Foundation
 – Evaluated the effectiveness of programs' funding by mapping given amount and resulting community engagement on timelines
 – Wrote a detailed guide-like progress report to address concerns or questions and document future follow-up developments
 – Evaluated the proposed curriculum for a data science program and recommended 6 additional classes to cover a wider scope

Opportunities for All Fellowship – San Francisco, CA — Jun 2020 – Jul 2020
Coding Instructor – Paid Remote Position
 – Instructed groups of 20 students on the stages and applications of SDLC and fundamental coding concepts
 – Guided groups to practice agile development and communicate more effectively improving their work efficiency by 250%

Haas School of Business, Center for Social Sector Leadership – Berkeley, CA — Aug 2018 – May 2020
Data Analyst – Paid Work Study Position
 – Analyzed 80 participants for the Berkeley Board Fellows event using advanced Excel functions to match them with appropriate mentors and automated part of the process to reduce the workload for future events
 – Collected workshops' turnout data and converted it using Pandas manipulation to explore possible, actionable insights
 – Evaluated causes for decreasing traffic and addressed SEO and accessibility issues to improve traffic to the CSSL website by 18%

West Big Data Innovation Hub – Berkeley, CA — Jan 2019 – Jan 2020
Data Scientist – Unpaid Position
 – Programmed a web scraper to mine financial data from 10+ GoFundMe searches to explore patterns in disaster relief donations
 – Developed a data collection system that crowdsource public submissions to populate an inventory for physical donation sites

PROJECTS & AWARDS

To Rent, or To Airbnb — Dec 2019
Evaluate the financial profits and predict whether an SF homeowner should rent out the room or list it on Airbnb
 – Merged several datasets from both Airbnb and Zillow using pandas to compile a single, comprehensive one
 – Applied several machine learning models such as linear regression and random forests to select the most accurate option

Airbnb New Listings' Price Prediction — Nov 2019
Predict the estimate cost of new Airbnb listings by comparing parameters of previously existing listings on the platform
 – Preprocessed data using Scikit-Learn package's OneHotEncoder and LabelEncoder to convert strings to numeric values
 – Evaluated the reviews for existing listings using VADER sentiment analysis to determine if the visitors had a positive experience

Social Health Scores for US Counties — May 2019 – Aug 2019
Calculate a relative score for any US county that an individual can consider to make data-driven decisions on where to relocate
 – Analyzed several variables of interest, like crime rate and education, to assign weights based on a small-scale survey for initial calculations and presented our findings with Tableau using a heat map overlaid on a US map

2017 Cal VR Hackathon – 2nd place of 17 teams — Dec 2017
Allow users to choose a specific historical era for an educational stroll and interactive activities with key artifacts and figures

Berkeley AR Hacks – 2nd place of 24 teams — Dec 2016
Allow users to conveniently query related information and purchase options via an AR shopping interface from their smartphones

SKILLS & INTERESTS

Skills: Python (Pandas, Scikit-Learn, NumPy, Matplotlib, BeautifulSoup). SQL. AWS. R. Excel. Tableau. Git. Java. HTML. CSS. ReactJS.
Languages: Fluent in English and Korean. Conversational in Spanish and Chinese.
Interests: Lego. Origami. Backpacking. Baking. Cooking. Photography.