

BRYAN NGUYEN

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EDUCATION

University of California, Santa Barbara

September 2023

Bachelor of Arts, Mathematics

Santa Barbara, CA

- **Relevant Courses:** Principles of Data Science, Methods of Analysis, Data Structure & Algorithms, Advanced App Programming, SAS Base Programming, Probability and Statistics, Linear Algebra, Calculus

SKILLS

Programming Languages: Python, SQL (MS SQL Server, SQLite), R, Javascript, C++
Libraries and Packages: Pandas, Numpy, Matplotlib, Seaborn, scikit-learn, ggplot2, React
Technologies: Power BI, MS Excel, Jupyter, SAS, MongoDB, Git/Github

PROJECTS

Sales Management Analysis | *Independent Project*

October 2023

- Interpreted a business request and analyzed the relationships between sales performance and KPIs
- Conducted comprehensive data cleaning and transformation of the AdventureWorks dataset using **MS SQL Server**
- Employed **Power BI**'s visualization and dashboarding features to create 3 intuitive dashboards, yielding thorough insights into sales and product trends, customer behavior, and market segments

Data Professional Survey Breakdown | *Independent Project*

October 2023

- Constructed an insightful dashboard using **Power BI** to illustrate data obtained from a comprehensive survey about more than 600 data professionals
- Executed detailed data cleaning procedures in **Power Query** including outlier detection and handling duplicate values
- Integrated interactive visualizations, such as treemaps, stacked bar charts, and gauges to evaluate survey responses

VGC Metagame Analysis | *Independent Project*

September 2023

- Utilized **Pandas** and **Power Query** to extract, transform, and load 1000+ entries with an emphasis on KPIs
- Created **SQL** queries to analyze player statistics and Pokémon usage rates to assess meta trends
- Built a dynamic dashboard with **Power BI** to provide insights and recommendations on meta builds and teams

UCSB Website Course Search App | *Academic Project*

September 2021-November 2021

- Collaborated with a team of 5 to develop a full-stack MERN app for the UCSB course website
- Implemented AGILE principles and methodologies and engaged in weekly meetings to ensure efficient development
- Collected and organized data from the student course API employing the NoSQL database program **MongoDB**
- Built a search engine with efficient sort and filtering methods using **Express**, **Node**, and **React**
- Tested application using Codecov for debugging syntax errors and successfully deployed on Heroku Cloud

EXPERIENCE

MAC Technician

June 2022-September 2022

Corovan

San Jose, CA

- Coordinated with technicians and movers to ensure the operational readiness of office workspaces for Google and Meta during both relocation and setup
- Captured detailed computer system data and inventory for over 100 cubicles before and after the relocation process
- Demonstrated proficiency in MS Excel by managing and organizing IT tickets with pivot tables and conditional formatting, leading to a 50% improvement in IT service efficiency
- Delivered on-site technical troubleshooting and repair services to address IT issues for over 200 office workers on a monthly basis, ensuring an average response time of less than 30 minutes per request

CERTIFICATES

Google Advanced Data Analytics Professional Certificate

October 2023

IBM Data Science Professional Certificate

September 2023