

Boning Yang

Tel: (619) 871 7829 | Email: yangboning96@gmail.com | LinkedIn-Boning Yang | Github-boyang102

PROFILE

Detail-oriented Data Scientist with 3+ years in business analytics and quantitative modeling. Proven leader in managing projects from market research to business optimization. Proficient in Python, Tableau, SQL, and advanced Excel. Skilled in statistical and machine learning techniques to solve business problems and enhance risk management. Committed to delivering impactful results and improving customer experiences.

SKILLS

Technical Skills: Python (Pandas, PyTorch, Tensor Flow, Scikit Learn, and Matplotlib), R, SQL (MySQL, Hive, Hadoop, Spark), SAS, PowerBI, Tableau, ETL, MATLAB, AWS (S3 Bucket, SageMaker, EC2), Axure, Figma, Jira

Industry Skills: Data Visualization, Business Analytics, Product Management, Business Communication, Presentation

WORK EXPERIENCE

Data Science Summer Intern

Jun 2024 – Aug 2024

UC San Diego Health

La Jolla, CA

- * Developing predictive algorithms for youth mental health using over 6,000,000 EHR data records in collaboration with Rady Children's Hospital, under the mentorship of AI experts.
- * Retrieving and managing patient data using **SQL**, collaborating with data management team, and **visualizing data** with **Python** to identify trends and patterns in patient demographics and diagnostic notes.
- * Implementing **Machine Learning Models** and **Large Language Models** across 8 large datasets, enhancing predictive modeling capabilities, which further enable stakeholders to make data-driven decisions.

Data Science Intern

Jan 2024 – Current

Qualcomm Institute

La Jolla, CA

- * Compared our state-of-the-art (SOTA) algorithm with 7 traditional classification **Machine Learning Models**, visualizing results and recording data in **Excel** for MEG Automated Spike Detection Study.
- * Analyzed data trends and patterns to identify system improvement opportunities, enhancing operational efficiency.
- * Developing a highly precise **neural network (CNN)** for visual motion classification under 6 different conditions using MEG scans from 9 patients, achieving over 95% accuracy in intra-subject experiments.
- * Collaborating on a draft for publication in machine learning and neural science journals, demonstrating the application of advanced analytics in neuroscience research.

Business Insights Manager

Feb 2020 – Aug 2023

WeLink Auto LLC

San Diego, CA

- * Devised robust business plans based on **Customer Analysis**, increasing potential customer base by 83.3% per month.
- * Developed advanced **Tableau dashboards** through comprehensive **A/B testing** and **ETL** processes, maintained detailed **product roadmaps** using **Jira**, documented changes in **Excel**, and presented findings to stakeholders.
- * Utilized **SQL** for querying to extract meaningful business insights, supporting decision-making processes.
- * Analyzed financial data using key metrics such as **KPI** and **ROI** to support budgeting and forecasting for company.

UX Researcher Intern

Mar 2023 – May 2023

AutoHome Inc.

Beijing, China

- * Collaborated with **cross-functional teams**, including Project Managers, Engineers, and Operation Managers, to create 11-pages detailed **mock-ups** for enhancing the AutoHome App, improving user experience and functionality.
- * Conducted **SWOT Analysis** on 12 VR and hologram products, delivering insights that influenced leadership decisions and shaped strategic direction in the automotive trade market.
- * Researched and **visualized market trends** for Intellectual Training and AutoHome Apps, compiling **strategic documentation** that contributed to a 16.1% increase in daily users, reaching 53.49 million.

EDUCATION

University of California, San Diego

Master of Science in Data Science

Expecting Dec 2025

GPA: 3.92, Graduate Student

University of California, San Diego

Bachelor of Science in Cognitive Science

Dec 2022

Overall GPA 3.87, Cum Laude