

PROFESSIONAL SUMMARY

Analytical professional with an M.S. in Data Science from UC San Diego and a B.A. in Statistics from Cornell University, with applied experience in healthcare, robotics, and sports analytics. Skilled in SQL-driven data analysis, dashboarding, and translating complex datasets into actionable insights. Known for leadership, communication, and teamwork as a four-year varsity athlete.

EDUCATION

Cornell University – Ithaca, NY B.A. in Statistics	University of California, San Diego – San Diego, CA M.S. in Data Science
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RELEVANT COURSEWORK

- **Foundational Probability/Statistics in Data Science**
Built a predictive model of NFL Quarterback performance using 25 years of data. (A+)
- **Python for Data Science**
Final project on hurricane data strengthened A/B testing and power analysis skills.
- **Statistical Computing**
Defined success metrics for hospitals; learned generalized frameworks for different industries.
- **Big Data Analytics Using Spark**
Forecasted taxi demand and rider duration using historical NYC cab data.

TECHNICAL SKILLS

- **Core Languages & Tools:** SQL, Excel, Tableau, Power BI, Looker, Python, R
- **Data Analysis & Reporting:** Exploratory Data Analysis, A/B Testing, Correlation Analysis, Power Analysis, Time Series Forecasting
- **Modeling & Statistics:** Predictive Modeling, Feature Engineering, Principal Component Analysis (PCA), Monte Carlo Simulation
- **Business & Productivity Tools:** Slack, Microsoft Word, Visual Studio, Git/GitHub, Google Workspace, Microsoft Access, VBA
- **Libraries & Frameworks:** Jupyter Notebook, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, ggplot2, PyTorch

WORK EXPERIENCE

Brave Career – Remote <i>Data Science Intern</i> June 2024 – September 2024 <ul style="list-style-type: none">• Analyzed multi-variable health datasets from hospital in Ontario to identify risk patterns in patients with asthma and COPD.• Conducted correlation and PCA on clinical data, revealing BMI and weight as top predictors of CRD-related mortality.• Increased hospital's mortality risk identification of respiratory diseases by 45%.	AMBOT – San Luis Obispo, CA <i>Data Intern (Robotics)</i> May 2020 – August 2022 <ul style="list-style-type: none">• Analyzed autonomous robot testing protocols to refine hardware and development roadmaps.• Developed a warehouse inventory system, utilizing SQL to track part usage, optimize restocking cycles, and improve logistics efficiency by 75%.• Analyzed Interact Centaur “visual” data, deployed to the International Space Station through the European Space Agency.
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PERSONAL PROJECT - NFL Wide Receiver Career Success Prediction

- Built a predictive model using TensorFlow to predict NFL wide receiver success, training on 250+ players using rookie stats, combine results, and draft position.
- Achieved 78% classification accuracy in identifying top-quartile performers based on 3-year fantasy point averages.
- Analyzed 8 key combine metrics and demonstrated that 2 (40-yard dash, bench press) had <10% contribution to predictive accuracy, challenging conventional scouting assumptions.