

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 to evaluate career efficiency & longevity.
- **Python for Data Science** – Strengthened A/B testing and power analysis skills, modeled the effects of hurricane exposure on population outcomes.
- **Statistical Computing** – Defined success metrics for hospital performance and applied statistical frameworks across industries using real-world clinical datasets.
- **Big Data Analytics Using Spark** – Forecasted NYC taxi demand and rider duration using large-scale, time-based features and distributed data pipelines.
- **Risk Analysis & Decision Modeling** – Assessed financial and operational risk under uncertainty using Monte Carlo simulation, sensitivity analysis, and decision trees.

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, GitHub, Google Workspace, VBA
- **Libraries & Frameworks:** Jupyter Notebook, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, ggplot2, TensorFlow

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 Ontario hospital, identified risk patterns in asthma and COPD patients.• 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.