

PROFESSIONAL SUMMARY

Data Scientist with an M.S. from UC San Diego and a B.A. in Statistics from Cornell University, with applied experience in healthcare, robotics, and sports analytics. Proven ability to extract insights from complex datasets using Python, R, and SQL. Recognized as a team leader on and off the field as a 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

- **Languages:** Python, R, SQL
- **Machine Learning & Modeling:** Supervised/Unsupervised Learning, Neural Networks, Feature Engineering, PCA, Predictive Modeling, A/B Testing
- **Statistical Inference & Analysis:** Exploratory Data Analysis (EDA), Correlation Analysis, Power Analysis, Time Series Forecasting, Monte Carlo Simulation
- **Tools & Libraries:** Tableau, Power BI, Excel (Advanced), Microsoft Word, Google Suite, Microsoft Access, Visual Studio, Jupyter Notebooks, Git/GitHub, VBA
- **Programming Libraries:** Pandas, NumPy, Matplotlib, Seaborn, ggplot2, Scikit-learn

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 an inventory system using real-time data logs to improve warehouse logistics. Increased efficiency by 75%.• Analyzed Interact Centaur 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 neural network model to predict WR success based on rookie stats, combine metrics, and draft position.
- Demonstrated that earlier draft selection correlates with higher average fantasy points.
- Found limited predictive value in combine metrics like 40-yard dash, bench press, and broad jump.