

## 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

<b>Cornell University</b> – Ithaca, NY B.A. in Statistics	<b>University of California, San Diego</b> – 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, Google Workspace, Microsoft Access, VBA, PyTorch, Visual Studio, Git/GitHub
- **Libraries & Frameworks:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, ggplot2, Jupyter Notebooks

## WORK EXPERIENCE

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