

ABOUT

Highly Skilled Data Scientist with 5+ years' experience in the Silicon Valley, breaking down complex problems, delivering actionable & data-driven insights, building solutions using quantitative, statistical & machine learning approaches, interpreting large data sets, data extraction, cleaning & visualization, experimentation design, hypothesis testing, classification, clustering & regression analysis. **A collaborative team player with the ability to contextualize big problems**, I work closely with cross functional teams to deliver compelling insights that inform decision-making & guide development of products to improve user experiences. **An excellent communicator**, I thrive in highly matrixed, fast-paced environments where I can figure out both the problem & the solution, then make strategic recommendations to leadership. **An analytics expert**, I see different angles of both product & business opportunities, & connect the dots with teams across the organization to ensure the right questions are being answered. **My mission?** To change the world & impact billions of users, one technological achievement after another.

WORK EXPERIENCE

DATA SCIENTIST

2018 - PRESENT

Uber Technologies *SCALABLE SOLUTIONS, DEEP LEARNING MODELS, PYTHON, EXPERIMENTATION, PROOF OF CONCEPT*

- **Collaborating with ~15 global cross-functional teams** to conceive, develop & implement innovative product solutions for UberEats & Rides by developing state-of-the-art statistical & machine learning methodologies to **deliver data-driven insights that solve high-priority problems affecting +1.4B customers & drivers in 134 countries**
- **Thought leader to internal teams** building & developing innovative data science strategy, queries, models & algorithms that improve reporting accuracy, data delivery & performance, **identifying opportunities & sharing insights with leadership**
- **Defining problem statements**, collecting data, performing behavioral/statistical analysis, building analytical models + ETL pipelines & **making recommendations that have identified \$265M worth of fraud risk exposure across 66 countries**
- **Researching, developing, implementing & testing scalable deep learning models & employing statistical analysis/experimentation** to predict the severity of safety incidents across 5K support tickets, leveraging tools like Python, Tensorflow, SQL & LSTM Neural Network architecture to potentially **cut high-severity incident response times from 6 hours to ~ 15 minutes**
- **Proactively led design, development & deployment of Uber Audit's 1st end to end ML product that identified \$23.7M in risk** across cash-intermediary vendors with 83% coverage using Python, SQL (Presto, Hive), Docker, Git, **created [actionable recommendations](#)** that have been seen by data science teams at Google, Spotify, Facebook, Netflix & UC Santa Barbara
- **Conducted behavior analysis across 45M users to detect fraud on UberEats platform**, analyzed support cases to define critical & high risk users, presented findings to Global Investigations & Anti-fraud leadership teams, **quantifying \$2.77M in previously undetected business risk** that will lead to smarter refund & appeasement rules
- Supported global business & strategy teams with **insights to successfully win the fight to continue operating in London**, built & defined +60 metrics that visualize & continuously monitor Uber's Global Software Development Lifecycle, **allowing Uber continue operating in London & capture a \$1.7B market, providing 9.4M users ~130.9M trips**

SENIOR DATA & ANALYTICS SPECIALIST

2017 - 2018

EY, LLP *DRIVE INSIGHTS, PYTHON, SQL, DATA-DRIVEN RECOMMENDATIONS, INFRASTRUCTURE, STATISTICAL METHODS*

- **Designed & implemented data-driven systems** to identify gaps & increase the value of modeling, labeling, virtualization, signal development, statistical efficiency & trends **for a client operating in the US & Canada, representing \$500M in revenues**
- **Led a team of 5 to create a standard template for data preprocessing** & perform data transformations of large datasets (~300M records) using SQL, ACL, Python & Alteryx **that cut down a 10 step manual process into 1 automated flow & drove faster insights**
- **Created automated solutions to improve reporting & analytics for a high profile client with 15K locations**, applying expertise in quantitative analysis, data mining & preprocessing, Tableau & ACL across **\$69M worth of assets in the United States & Canada**
- **Developed & designed reports, financial schedules, dashboards & analyses** using a variety of data-mining & presentation tools, identified issues & escalated mitigation plans to business & technology leadership **that saved \$4M in liabilities**
- **Developed & optimized a Python program** that automated a client's BeautifulSoup XML extraction procedures & **cut processing times from 5 months to a record-low 9 minutes**

AUDITOR, CPA

2015 - 2017

Crowe Horwath LLP

EDUCATION & CREDENTIALS

PURDUE UNIVERSITY

Bachelors of Science Management Information Systems

2015

COMMERCIAL PILOT LICENSE

TECHNICAL SKILLS

Language Python **Machine Learning & Statistical Techniques** TensorFlow, Keras, Regression, Classification, Decision Trees, Clustering, Neural Networks, Deep Learning, Text Mining, Tesseract, Time Series, Scikit-learn, NumPy, SciPy, Turi, Feature Engineering, BERT **Databases** SQL, Hive, PostgreSQL, Microsoft SQL, Oracle **Cloud Platforms** Amazon AWS (EC2, ECR, RDS) **Operating Systems** Windows, Linux, macOS, **Data Analytics & Visualization** Tableau, Alteryx, Spotfire, matplotlib, Seaborn, Bokeh, Containers **DevOps** Docker, Git **Project Management** Asana, JIRA, SmartSheet