





LUCAS SIMMONS

SENIOR DATA SCIENTIST

CONTACT

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Mountain View, CA 
[LinkedIn](#) 

EDUCATION

Bachelor of Science
Computer Science
Stanford University
2011 - 2015
Stanford, CA

SKILLS

Python
Pandas
Scikit-learn
Matplotlib
Hadoop
Amazon Web Services
MySQL
NLTK
TensorFlow
GitHub

WORK EXPERIENCE

Senior Data Scientist

Intuit

2020 - current / Mountain View, CA

- Established a Python-based automated tax optimization tool, saving users an average of 2 hours per tax return.
- Developed Pandas-based anomaly detection algorithms to identify irregular spending patterns, minimizing false positive alerts by 19%.
- Collaborated with product managers to implement a product bundling optimization model using Scikit-learn, achieving a **\$27,463 upswing in revenue** from bundled product offerings.
- Led the migration of Intuit's legacy data infrastructure to a Hadoop-based ecosystem, shrinking total cost of ownership (TCO) by 31% over three fiscal quarters.

Business Analyst

Walmart eCommerce

2017 - 2020 / San Bruno, CA

- Created Matplotlib visualizations to analyze the impact of pricing changes on sales performance, leading to an 8% rise in profit margins with strategic pricing optimization.
- Analyzed website traffic patterns and user behavior to improve site navigation, leading to a 22% decline in bounce rates.
- Incorporated AWS Glue for ETL (Extract, Transform, Load) processes, **slashing data processing errors by 27%** and improving data accuracy.
- Conducted A/B testing on website features driven by MySQL data analysis, improving user engagement metrics by 13%.

Data Analyst

Airbnb

2016 - 2017 / San Francisco, CA

- Built a recommendation system using NLTK to suggest personalized experiences to Airbnb guests, resulting in a 26% uplift in booking conversion rates.
- Implemented anomaly detection models with TensorFlow to locate fraudulent activities, resulting in an **18% decrease in fraudulent bookings**.
- Automated the testing frameworks using GitHub Actions, ensuring code reliability and cutting down the occurrence of production issues by 34%.
- Formulated and maintained dynamic pricing models, leading to a 12% boost in revenue per available listing.