

Du Ye

Data Scientist

Address

San Francisco, California, 94109

Open to Relocation

Yes

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Experience

- 2017-07 - present

Data Scientist

SAP, CA

  - Developed a recommendation system for Configure Price Quote product with an ensemble of matrix factorization techniques and sparse linear methods, achieving 3% uplift in cross sell and 2% uplift in up sell on average.
  - Provided data-driven strategies for LeadRocket Marketing automation product to enhance the efficiency of email campaigns and sales events and increased conversion rate 5% with automated feature engineering and machine learning algorithms.
  - Managed overall AI product performance measurement and published operational forecasts for key metrics.
  - Collaborated with product, engineering, and operation team to translate business insights into decisions and action. E.g. defined table schema in Oracle SQL database.
- 2016-07 - 2017-07

Data Science Analyst

Cloudparticle, CA

  - Performed ad-hoc analysis and built machine learning models to forecast the patterns of customer behavior, like churn analysis etc.
  - Wrote Python scripts to automate everyday tasks such as creating repeated dashboards, automatically redefining strings in MySQL database to promote consistency, and creating file and folder structures for new projects.
  - Designed the best metrics to monitor marketing conversion rate and Conducted A/B testing experiment to drive key product and support data-driven decisions.
- 2015-07 - 2016-04

Quantitative Research Analyst

Trimtabs Investment Research, CA

  - Pulled the data using the Bloomberg API to update exchange-traded fund and mutual fund data daily in Microsoft SQL.
  - Maintained and updated seven model portfolios (U.S equity ETF model, NASDAQ model etc.) weekly to provide quantitative performance results for weekly flow reports.
  - Developed three new investment strategies to outperform SPY ETF nearly 90% in a 5 year period with machine learning predictive models.

Education

- 2013-09 - 2015-05

Temple University, Ms in Statistics
- 2009-09 - 2013-05

Wuhan University of Technology, Bs in Finance

Skills

Python

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SQL

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