JACQUELINE LEE

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WORK EXPERIENCE

Business Automation Technical Sales Engineer | IBM San Francisco, CA | 09/2023 - Present
- Collaborate with enterprise clients to drive efficiency and productivity as expert on Business Automation portfolio of 20+ products, e.g., decision engines, who gives customized presentations and product demos.

Software Engineer Intern | BallerTV Remote | 06/2022 - 08/2022
- Coded Ruby on Rails program to clean basketball game data, extract and calculating statistics, and generate custom headlines for 1 million games with Generative AI API for subscribers, driving product engagement.
- Designed dashboards with SQL to visualize travel cost KPIs so stakeholders can make cost-saving decisions.
- Leveraged API and Active Record to automatically message to contractors when work schedules change.

Fellow | Bessemer Venture Partners San Francisco, CA | 06/2022 - Present
- Selected as 1 of 20 fellows from 2,000+ applicants and 60+ finalists; portfolio company directly reached out.
- Engaged in entrepreneurship studies with founders and product leaders from the venture capital industry.

Data Science Intern | TE Connectivity Remote | 06/2021 - 06/2022
- Analyzed deep learning forecast model results (Pandas) and identified 1,000+ highly accurate parts making $300M+ in sales to promote adoption of cost-saving forecast model in presentations for C-suite executives.
- Developed Python automated fuzzy matching algorithm that improved accuracy by 50%, was adopted on 2 projects used by 5 departments, and maps predictions to actual sales for marketing campaign tracking.
- Utilized Python/SciPy to code statistical methodology for randomizing potential customers into test and control groups, reducing manual labor and enabling marketers to accurately evaluate their campaigns.

Data Science Tutor | Halıcıoğlu Data Science Institute San Diego, CA | 10/2020 - 03/2023
- Improved 500+ students' Python, Java skills through personalized guidance during 4 office hours per week.
- Created quizzes and coding assignments on algorithms, data structures and resolved student questions.

SKILLS

Python (Pandas, NumPy, Scikit-learn, Matplotlib), **SQL** (PostgreSQL, SQLite), **Ruby** (Rails), **JavaScript** (D3.js)
AWS Certified Cloud Practitioner (SageMaker, S3), **Git**, **Bash**, **Jupyter Notebooks**, **Docker**, **HTML**

PROJECTS

Logistic Regression and Responsible AI – Civilian Complaints to the NYPD | jacquelinekclee.github.io/#nypd
- Modeled process of how civilian allegations against NYPD officers are ruled on with Python, Scikit-learn to assess model fairness, examine inequity, and demonstrate importance of fairness audits in data science.

Random Forest, XGBoost Classifiers – Predicting NBA Player Positions | jacquelinekclee.github.io/#positions
- Trained 4 models and performed data cleaning using Pandas, Scikit-learn to explore whether statistics are important to a player's position; increased accuracy by 30 pp with feature engineering and selection.

Natural Language Processing – Analyzing Changes in Rap Lyrics Over Time | jacquelinekclee.github.io/#hiphop
- Web scraped and cleaned song lyrics with Beautiful Soup, created custom metrics to quantify quality of rap lyrics, and ran linear regression to analyze how lyrical quality has evolved using Python, Pandas, SciPy.

EDUCATION

UC San Diego | B.S. in Data Science, minor in Economics, minor in Business Graduated: 03/2023
- **Honors:** Magna Cum Laude (**GPA**: 3.957), Provost's Honors 10/10 Quarters
- **Courses**: Practice and Application of Data Science, Intro to Machine Learning, Business Analytics (Excel), Intro to Data Management (SQL), Intro to Data Visualization (JavaScript/D3/HTML), Deep Learning for NLP