

Jonathan Dedinata

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EXPERIENCE

Apple

Lead Software Analyst

April 2020 - August 2021, Sunnyvale, CA

- Led a team of 10 analysts and organized efforts to gather data and trends to decrease application processing times.
- Performed Extract, Transform, and Load (ETL) and deployed gathered data into Redshift for data manipulation and analysis.
- Drove up sales of new businesses by serving as a consultant, boosting in-app purchase sales in the APAC region by 35% YoY.
- Utilized Tableau to derive insights on workflows, improving SLAs by 66% and further decreasing processing times by 75%.
- Collaborated with governmental and medical institutions for deploying COVID-19 applications and making critical decisions.

Software Analyst

May 2019 - April 2020, Sunnyvale, CA

- Analyzed and reviewed 105 iOS applications daily based on design, performance, and utility, pushing for 130% of daily target.
- Coordinated with policy and engineering teams to introduce automation in workflows, cutting processing times by 60%.
- Conducted A/B testing to solve client pain points with App Store platform, and identified and recommended solutions to solve unclear platform roadmaps, which reduced the bounce rate by 40%.
- Assisted marketing team to resolve 95% of reported issues while following up on 100% of feedback from developers.

Google

Content Analyst

October 2018 - March 2019, San Jose, CA

- Analyzed content and tested 90 Android applications daily based on design and performance for publishing to the Play Store.
- Increased efficiency of application analyses by 40% by using automation to identify and keep track of application trends.
- Decreased application processing times by 33% by removing parts of workflows that contribute least to meaningful data.

PROJECTS

Stock Price Direction Predictor

July 2023 - Present

- Performed rigorous statistical analysis, added data visuals and engineered additional features such as MACD, EMA and SMA.
- Deployed model to web services using Azure Container Instances, reachable using REST endpoints for public access.
- Developed a classification model using Azure Machine Learning to predict stock price direction, performing at 55% accuracy.

Customer Churn Predictor

June 2023 - July 2023

- Performed exploratory analysis to derive insights for customer churn on a telecom company's customers dataset.
- Engineered data features, removing 35% of irrelevant data using Kendall Rank correlation coefficient in data visualization.
- Developed a classification (XGBoost) model and achieved accuracy of 95% and F1 score of 88% in predicting customer churn.

SpaceX Falcon 9 Launch Outcome Predictor

April 2023 - May 2023

- Gathered and curated data using ETL processes through the SpaceX API and web-scraped Wikipedia, ensuring data usability.
- Deployed SQL server databases on IBM Db2 for exploratory data analysis and data visualizations using sqlite3 and Matplotlib.
- Developed classification models (e.g. Logistic Regression, KNN, SVM) using scikit-learn, achieving 83% prediction accuracy.

Title Generation and Text Summarization of Forum Threads

March 2022 - June 2022

- Implemented an NLP program using PyTorch to summarize texts from Reddit posts, reducing 80% of bloat content.
- Utilized advanced Seq2Seq models, i.e. RNN, CNN, LSTM models and Transformer models (BERT, GPT) from HuggingFace.
- Enhanced models with attention mechanisms in the decoder, improving results by 40-50% as evaluated by BLEU scores.

EDUCATION

University of California - Irvine

M.S. Computer Science • 3.6

September 2021 - December 2022

B.S. Computer Science and Engineering • 3.6

September 2015 - June 2018

AWARDS & CERTIFICATIONS

Microsoft Certified: Fundamentals

Azure Fundamentals (AZ-900)

Microsoft • June 2023

Azure AI Fundamentals (AI-900)

Microsoft • June 2023

Azure Data Fundamentals (DP-900)

Microsoft • June 2023

Security, Compliance, and Identity Fundamentals (SC-900)

Microsoft • June 2023

IBM Data Science Professional Certificate

IBM on Coursera • May 2023

IEEE Eta Kappa Nu Honor Society Member

IEEE • December 2017

SKILLS

Languages: C++, Java, Python, SQL, MySQL, NoSQL, PostgreSQL, R, Scala, HTML, CSS, JavaScript, DAX

Platforms: Github, Gitlab, Tableau, Microsoft PowerBI, Microsoft Office 365, Microsoft Azure, Amazon Web Services (AWS), Google Computing Services (GCS), Databricks, Apache Spark, Kubernetes, Docker, Jupyter Notebook, Notion

Libraries: PyTorch, TensorFlow, Keras, Pandas, SciPy, NumPy, Matplotlib, Plotly, Seaborn, Folium, Scikit-learn, XGBoost, NLTK, BeautifulSoup, Selenium, SQLite3, HuggingFace

Methodologies: Agile, Kanban, Software Development Life Cycle (SDLC)