Leon **Tan**

Data Engineer

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SKILLS

Technical	Java · Python · Node.js · Git · SQL · ETL · JUnit · AWS CDK · Redshift · S3 · JSON · Flask · Django · SQLAlchemy · SQLite · RESTful API · dbt · Docker · PostgreSQL
Soft skills	Critical Thinking · Communication · Desire to learn · Problem Solving · Teamwork

EXPERIENCE

UNFI
Data Engineer — *Minneapolis, MN* — *Oct. 2021 – Present*
- Developed and maintained enterprise data platform infrastructure for data-driven decision-making.
- Collaborated with team members to migrate on-premises data into AWS cloud environment.
- Designed and implemented high-performance data pipelines, improving integration efficiency by 90%.
- Automated reporting processes and enhanced ETL efficiency through Python, SQL, and AWS.
- Optimized cross-functional data extraction, improving accessibility for business stakeholders.
- Ensured data pipeline architecture was robust and accessible to analytic and forecasting teams.
- Conducted bug fixes using dBeaver, CloudFormation, and Step Functions.

Thomson Reuters
Data Engineer/Data Analyst (Contract) — *Minneapolis, MN* — *Jul. 2019 – May. 2020*
- Designed and debugged automation, achieving 90% improvement in analysis runtime and pricing accuracy.
- Implemented dynamic data scraping techniques through scripting, leading to enhanced quarterly sales reports.
- Worked closely with internal stakeholders to create efficient data dashboards using Python and Tableau.

3M
Financial Analyst (Contract) — *Minneapolis, MN* — *Nov. 2018 - Jul. 2019*
- Automated report generation from SQL databases, reducing financial analysis runtime.
- Analyzed and reported on contract pricing across various business groups using VBA scripting.
- Utilized cost estimation systems and Agile framework for project and account maintenance.
- Constructed statistic reports of orders to ease labeling usage of product development.

S&F Corporation
Product Specialist — *Minneapolis, MN* — *Feb. 2017 - Sep. 2017*
- Conducted thorough research on product technical specifications and effectively facilitated communication between different departments.
- Generated statistical reports for product orders, optimizing product development labeling processes.
- Utilized in-house software to efficiently process product specifications, enhancing product analysis production.

The Omerta Group
Junior Analyst (Internship) — *New York City, NY* — *June. 2016 - Aug. 2016*
- Analyzing large datasets to extract meaningful insights and trends, supporting leadership in data-driven decisions.
- Conducted market research on industry trends, competitors, and opportunities to provide valuable inputs for strategic decision-making.
- Produce presentable and multiple visually appealing network diagrams for conveying insights to stakeholders.

University of Minnesota
Data Analyst (Internship) — *Minneapolis, MN* — *June. 2015 - Aug. 2015*
- Delivered several university-wide presentations to campus staff and advisers.
- Determined volunteering and internship were major influences for student to thrive involvement on campus.
- Developed research questions and analysed data for descriptive statistics in Excel based on top possible factors.

EDUCATION

University of St. Thomas
M.S. in Software Engineering | Artificial Intelligence | 3.79 — *Saint Paul, MN* — *Sep. 2019 - May. 2021*
- Coursework: Data Structures & Algorithms, DevOps & Cloud Infrastructure (AWS), Database Management.

University of Minnesota
Web Development Bootcamp — *Minneapolis, MN* — *Aug. 2018 - Mar. 2019*
- Coursework: HTML5/CSS3, Python, JavaScript(ES6), Flask, Git, Node.js, RESTful API, MySQL, MongoDB, SQLite.

Hamline University
MBA | Finance | 3.4 — *Saint Paul, MN* — *Sep. 2017 - May. 2019*
- Coursework: Merges & Acquisition, Strategic Financial Analysis, Marketing Management.

ACHIEVEMENTS

Hackathon
1ST PLACE - WINNER
New York, NY (Remote)
Dec. 2021
- A mobile application that could modernize network connection between students and employers.
- created the prototype (based on TikTok) at Odyssey's Virtual Hackhaton within 24 hours timeframe.

Association for Corporate Growth (ACG) Cup
2ND PLACE - RUNNER UP
Minneapolis, MN
Feb. 2019
- Recommended potential M&A opportunities to strategic advisors to improve company's liquidity.
- Performed precedent transaction, DCF model, Accretion/Dilution and LBO analyses to derive company's valuation.

PROJECTS

E-COMMERCE APP
PERSONAL PROJECT
May. 2023
- Goal: Created an auction site like eBay that will allow users to post auction listings, place bids on listings, comment on those listings, and add listings to a "watchlist."
- Built with Python, Django and Docker.

FINANCIAL TRADING APP
PERSONAL PROJECT
Mar. 2023
- Goal: Created a financial trading application where users can view and manage their stock portfolios.
- Built with RESTful API, Python, Docker, Flask and SQLAlchemy.

GITHUB FINDER
PERSONAL PROJECT
May. 2021
- Goal: GitHub web-app that allowed users or employers to better comprehend targeted GitHub user's overall profile. User profile will have real time syncing of targeted user's statistics. Users can log in and sign up through OAuth and get email notifications.
- Built with GitHub API, React and Fusion Chart framework.

GME STOCK PRICE PREDICTION (ML Project)
TEAM COLLABORATION
May. 2021
- Goal: Developed a predictive model to forecast the GME stock price, leveraging both time-series data and text analysis through LSTM (Reddit review).
- Built and implemented sentimental analysis using textblob, SentimentIntensityAnalyzer, and Pandas.

COVID-19 TRACKER (ML Project)
PERSONAL PROJECT/TEAM COLLABORATION
Dec. 2020
- Goal: To predict which 11 variables has stronger correlation with death (y-variable) comparing to all the x-variables.
- Implemented Logistic Lasso, Simplified Logistic Lasso, SVM, and SVM + Kernel.
- Developed a web application that trace and display daily live COVID-19 statistics; published to Heroku.
- Built with JavaScript, EJS, Node.js, and Express.

HOSPITAL MANAGEMENT SYSTEM
PERSONAL PROJECT
May. 2020
- Goal: Hospital management system that could trace Doctor, Patient, or Staff information across multiple tables. These group lists are stored in multiple text files that act as database tables.
- Users could have different options to proceed forward, such as when you dialed-in for customer service.
- Built with Java and testing was implemented using JUnit framework.

AIRBNB VENTURE
TEAM COLLABORATION
Dec. 2019
- Goal: Developed a trend-explorations tool to support aspiring entrepreneurs interested in starting an Airbnb business. We extracted data directly from the Airbnb platform, preparing raw datasets for comprehensive revenue analysis and conducted in-depth revenue analysis considering the assumption that the target audience either owned or intended to own a property. The data was handpicked and categorized 7 cities based on regions: West Coast (Seattle, San Francisco, Los Angeles), Midwest (Minneapolis, Chicago), and East Coast (New York, Rhode Island).
- Built with Tableau and data cleaning with Pandas.

RECESSION PREDICTOR
TEAM COLLABORATION
Jan. 2019
- Goal: Developed an informative financial dashboard that educates users on the causes of a recession and provides insights into economic principles. We conducted in-depth analysis using finance data extracted via Quandl API and US Census data up to 2018.
- Built and engineered with RESTful API, Python, Jupyter notebook, Matplotlib and Scipy framework.