

JEREMY LI

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Education

Carnegie Mellon University

Aug 2021 – May 2025

Bachelor of Science in Data Science, Minors in Artificial Intelligence & Business Analytics

Pittsburgh, PA

- Relevant Coursework: Artificial Intelligence, Business Optimization, Computer Vision, Data Analysis, Data Mining, Data Structures & Algorithms, Machine Learning, Natural Language Processing, Probability, Statistical Regression
- Leaderships/Awards: Data Science Club Vice President, Quantitative Social Science Scholar (QSSS), Summer Undergraduate Research Apprenticeship (SURA), Dean's High Honors List, Greater NY Chinese Dollars for Scholars

Experience

Moderna Therapeutics

May 2023 – Aug 2023

Data Science Intern

Cambridge, MA

- Utilized advanced Natural Language Processing techniques to analyze over 250,000 employee survey responses, extracting critical insights that led to a 40% increase in data analysis efficiency within the People's Analytics team.
- Initiated the development of machine learning models, innovatively engineering features to categorize large survey datasets, which streamlined the dashboard building process and enhanced analytical capabilities.
- Transformed complex data into user-friendly dashboards, driving strategic decision-making among stakeholders.
- Researched advanced NLP models, improving analysis accuracy by 20% and setting new standards in data quality.

Carnegie Mellon University Statistics & Data Science Department

Jun 2022 – Present

Teaching Assistant

Pittsburgh, PA

- Facilitate weekly labs for statistics & data science courses, delivering instruction and guidance to 50 students.
- Conduct office hours to reinforce students' understanding of course materials for a large group of 300+ students.
- Maintain regular communication with faculty and students, providing constructive feedback on student progress throughout the semester to foster a collaborative learning environment and address challenges promptly.

Carnegie Mellon University Neuroscience Institute

Jan 2022 – Sep 2022

Data Analyst

Pittsburgh, PA

- Collaborated in early childhood behavioral and neuroimaging research, contributing to critical developmental insights.
- Crafted visually compelling dashboards and optimized data processes using Python and R, significantly enhancing data accessibility and interpretability for developmental psychology research.
- Managed and executed advanced data extraction and analysis, converting raw data into key metrics, significantly contributing to developmental psychology research and the publication of research papers.

Projects

JPMorgan Chase & Co Data For Good Hackathon | *Machine Learning, Matplotlib, Pandas*

Oct 2023

- Facilitated a collaborative analysis of complex datasets, deriving strategic insights for a nonprofit's operational plan.
- Engineered innovative AI and ML solutions, targeting critical challenges and catalyzing transformative impact.
- Presented a detailed breakdown of 24-hour project achievements to the JPMorgan Chase data science team, highlighting advanced data science, visualization, and analytical strategies.

Airbnb Tourist Guide for New York City: A Data Analysis Approach | *Data Science, SQL*

Mar 2023

- Leveraged Python libraries such as Pandas, Numpy, and Altair to meticulously process and deeply analyze over 50,000 Airbnb listings, significantly enhancing data-driven strategies and providing comprehensive market insights.
- Engineered interactive visualizations to offer comprehensive insights into New York City's dynamic Airbnb market, substantially improving users' understanding and enabling informed strategic decisions.

Unraveling Why Workers Quit | *Data Visualization*

Jun 2022

- Led a pioneering research study, crafting sophisticated statistical models to analyze intricate employee attrition factors.
- Executed comprehensive exploratory analysis using R and Tidyverse, revealing pivotal patterns accounting for 75% of attrition variance, and articulated these insights persuasively.

Technical Skills

Languages: Python, SQL, R, C, C++, Java, and TypeScript

Developer Tools/ Frameworks: Amazon Web Services, Anaconda, GitHub, Jupyter Notebook, Linux, VS Code

Data Science: A/B Testing, Big Data, Data Cleaning & Preprocessing, Data Visualization, Database Management, Database Querying, Distributed Computing, Feature Engineering, Model Evaluation & Validation