Jeremy Ganushchak

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EDUCATION

Columbia University – New York, NY   Anticipated May 2025
Master of Science in Applied Analytics   GPA: 3.90/4.00

Baruch College, Zicklin School of Business – New York, NY   Graduated December 2023
Bachelor of Business Administration in Data Science, Minor in Mathematics   GPA: 3.80/4.00

SKILLS

Technical: Python (Pandas, Numpy, Selenium, Scikit-learn, PyTorch), R, SQL, React.js, Tableau, Excel, Google Cloud Platform
Core Competencies: Data Analysis, Optimization, Data Visualization, Data Modeling, Data Warehousing, NLP, Project Management

PROFESSIONAL EXPERIENCE

Data Management Professional Intern, *Bloomberg* | Princeton, NJ   June 2024 – August 2024
- Developed and implemented comprehensive evaluations for machine learning model error and success rates, focusing on precision and recall metrics in production environments to ensure robust performance.
- Enhanced automation of data extraction workflows by integrating advanced machine learning models such as XGBoost, Random Forests, and BERT, resulting in streamlined processes, improved completeness, and increased accuracy.
- Automated extraction process to obtain 100,000 text annotations to continuously retrain models in production.
- Extracted, preprocessed and organized corporate bond data with SQL for machine learning model integration.
- Visualized and effectively communicated areas requiring improvement relative to baseline goals, ensuring a smooth transition into the larger finalization workflow.

Data Science Intern, *Self-Reliance NY* | New York, NY   October 2021 – August 2023
- Transformed a large insurance client database by employing advanced data visualization, modeling, and profiling techniques, reducing task completion time by 30% through the development of Excel macros and automated workflows.
- Collaborated with senior lending personnel to troubleshoot database problems and optimize financial ratios using formula-based enhancements, achieving a 50% increase in operational efficiency.
- Facilitated the loan approval process and compliance activities by methodically preparing and presenting data profiles, significantly improving the management and accessibility of information for over 1000 properties.

RELEVANT PROJECTS

Applied Analytics Frameworks and Methods I, Columbia University
- Conducted comprehensive data cleaning and exploratory data analysis on used car datasets, addressing missing values, outliers, and data inconsistencies to ensure data quality.
- Implemented feature engineering techniques to create meaningful features and employed methods such as Lasso Regression for feature selection to enhance model performance.
- Utilized grid search and cross-validation techniques to fine-tune model hyperparameters, optimizing performance and predictive accuracy.

Research Design, Columbia University
- Collected and analyzed data from the Department of Homeless Services and other relevant agencies, focusing on the impact of housing subsidies and job training programs to create a research proposal to address Homeliness in NYC.
- Conducted statistical analyses, including two-sample t-tests, to examine relationships between interventions and outcomes.
- Evaluated the effectiveness of interventions aimed at reducing homelessness, and authored a detailed report with data-driven insights to inform policy making and resource allocation for key stakeholders

Arbitrage Bot, Personal Project
- Engineered a bot leveraging market arbitrage in the CS:GO item economy to secure a consistent 12% profit per transaction.
- Utilized BeautifulSoup for scraping data across multiple platforms, analyzing and selecting items with the highest profitability.
- Automated complex purchase sequences with Selenium, integrating marketplace dynamics and email communications for transaction efficiency.

Founder, *Chest*
- As the creator of Chest developed and delivered a pitch introducing the React-based leaderboard showcasing curated links, to a diverse audience of over 100 attendees including venture capitalists, judges, employer partners, and Columbia staff.
- Selected as a finalist presenter for the Entrepreneur & Innovator Showcase organized by the Career Design Lab.
- Showcased proficiency in building and implementing an interactive website utilizing React for frontend development and Firebase as the cloud provider for data storage and authentication. Emphasized features such as user submissions and moderator authentication.