PAULE KAIRYTE

New York, NY | +1 (917) 498-9157 | pkairyte1999@gmail.com | www.linkedin.com/in/paulekairyte

EDUCATION

New York University Shanghai
B.S. in Data Science, B.S. in Business and Finance, minor in Chinese Language *September 2018 - December 2022*

- **Relevant Coursework:** Machine Learning, Database Design and Implementation, Data Structures, Information Visualization, Multivariable Calculus, Linear Algebra, Introduction to Computer Science, Decision Models and Analytics, Forecasting Time Series Data, Econometrics

TECHNICAL KNOWLEDGE & SKILLS

- **Programming Languages:** Python, Java, SQL, R, JavaScript, CSS, HTML
- **Tools:** MongoDB, Keras, TensorFlow, SciKit-Learn, NumPy, Matplotlib, Pandas, Seaborn, Pytorch, React, Git, Amazon Web Services, Figma, Minitab, Oracle Crystal Ball, Tableau, Microsoft 365
- **Spoken Languages:** Lithuanian, English, Russian, Mandarin Chinese

EXPERIENCE

Verif-y, Philadelphia, USA (Remote)
Machine Learning Analyst *March 2023 - Present*

- Led an OSINT project using SMTP connections to verify emails boosting sales outreach success by 20%
- Supervised development of OCR system with implementation of generative AI for dynamic table extraction and contextual text analysis
- Worked with DevOps team to automate the file processing and ingestion pipeline, which reduced the processing time by 45%
- Developed a customized script to rectify a critical issue in an AWS S3 bucket, addressing the incorrect naming problem and enabling successful rendering of over 15 000 files

YMY Solutions, New York City, USA
Research Analyst *April 2022 – August 2022*

- Conducted in-depth research and analyzed financial data from multiple sources to build comprehensive investment profiles, summarized findings in concise presentations and conducted trend analysis on market and industry data
- Contributed to a white paper (statistical analysis and technical information) of an ongoing wealth and risk management research

ISTAT, Shanghai, China (Remote)
Machine Learning Intern *June 2021 – May 2022*

- Scraped and munged data from 27 original sources, combined and consolidated new dataset with previously used datasets
- Developed, implemented, and refined LSTM, CNN, and ANN models for a research paper (20 pages) on dynamic aircraft valuation

SME Finance, Vilnius, Lithuania
Assistant Project Manager *September 2020 – August 2021*

- Analyzed small/medium businesses information deriving key valuation metrics and ratios of 15-20 new deals a week
- Delivered over 20 successful client financing proposals on short deadlines by prioritizing the tasks and working backwards from the deadline, contributing to 15% growth of revenue that year

Myriad Capital, Vilnius, Lithuania
Financial Analyst Intern *June 2020 – August 2020*

- Conducted quantitative (ARIMA, ARCH, and ML models) and qualitative analysis to identify market trends
- Constructed 3 model investment portfolios for showcase to potential clients, contributing to 5% client base growth

Omnisend, Vilnius, Lithuania (Remote)
Data Science Intern *November 2019 – March 2020*

- Identified purchasing tendencies of customers groups and prepared visualizations to report the results
- Assisted in building a data processing and machine learning pipeline (image and text data) to implement product suggestions in targeted client emails

PROJECTS

ASL Classifier *December 2022*

- Built and tested Logistic Regression, SVM, and CNN models (with varying parameters, kernels, layers and data augmentation) for American Sign Language image classification. Final model reached a 98% accuracy (Python, Seaborn, Tensorflow, SciKit-Learn)

Attention Based Architectures in Dynamic Aircraft Valuation *August 2021 – May 2022*

- Dynamic aircraft valuation pipeline (attention-based LSTM, CNN, ANN) designed to address hyper-correlation of aircraft status data and provide aircraft appraisers with an automated quantitative approach (Python)

Academic Performance Evaluator *April 2021 – May 2021*

- Visualization system showing connection between student standardized test results and background, helping identify students at risk of underperforming, underlying issues in US education system (JavaScript, HTML, CSS)