MATTHEW HYATT

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EDUCATION

Loyola University Chicago	Expected Graduation 05/24
BS Computer Science, BS Statistics	Dean's List 2021
GPA: 3.51 / 4.0	Presidential Scholarship recipient
	Director's Scholarship recipient

EXPERIENCE

Loyola University Chicago   Chicago, IL
Software Engineer / Researcher   2021 - Present
   · Analyzed TensorFlow Model Garden machine learning libraries for coding practices. Classified developer issues by reading error logs to determine the source of errors. Collaborated with a group of 6 researchers at Purdue University.
   · Mined data from FOSS GitHub repositories. Developed automated command line interface tools to measure productivity, defect density and bus-factor of software projects. Created graphs to visualize results. Funded by a Google gift to Dr. George K.Thiruvathukal.
Python (Numpy, Pandas, Matplotlib, Scikit-learn)

Loyola University Chicago FYRE Program   Chicago, IL
Researcher   2021
   · Recipient of FYRE scholarship. Worked closely with faculty mentors and 10 peers to develop research questions, read scholarly papers, and critical analysis skills.
   · Surveyed 40 students to understand the efficacy of online learning through Zoom. Designed software to score student attention span. Performed statistical analysis on results through command line interface. Organized discoveries on a research poster and presented to a faculty board. *Python (YAML, Numpy)*

ORGANIZATIONS

Loyola AI Club   2022 - Present
Board Member
   · Host industry employees to speak at university. Plan workshops to facilitate intellectual development of club members.
   · Lead a group of 4 in Kaggle HM data science competition. Train deep neural network and restricted boltzmann machine to predict the next purchase of HM customer. *Python (TensorFlow, Scikit-learn, Deep Learning, RBM)*

Rambler Investment Fund   2021 - Present
Quantitative Analyst / Software Developer
   · Preprocessed trading data to remove look-ahead bias and calculate technical indicators. Implemented support vector machine and recurrent neural network models to recognize market opportunities from stock trading history. Constructed simulation to execute trading strategy. *Python (TensorFlow, Numpy, Yfinance, TA-Lib)*
   · Wrote software to generate pdf financial reports. Generated reports upon request through Slack API bot. *Python (FPDF, Slack-sdk, Finviz)*

SKILLS

Languages	Python, Java, Bash, JavaScript, SQL
Program Design	Object Oriented Programming, Test Driven Development, Agile Development
Analysis	Multivariable Calculus, Regression Analysis
Coursework	Data Structures, Machine Learning, Natural Language Processing, Deep Learning

PUBLICATIONS

[1]   Hyatt, Matt, Kuhl, Amy, Palmer, Jake, Sethi, Rohan, Synovic, Nicholas, Thiruvathukal, George, & Thota, Sohini. (2021). SSL Metrics Datasets (0.1) [Data set]. Zenodo. https://doi.org/10.5281/zenodo.5636779