

MATTHEW HYATT

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EDUCATION

Loyola University Chicago

BS Computer Science

GPA: 3.51 / 4.0

Expected Graduation 05/24

Dean's List 2021

Presidential Scholarship recipient

Director's Scholarship recipient

EXPERIENCE

Loyola University Chicago

2021 - Present

Software Engineer / Researcher

- 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 with multiprocessing. Created graphs to visualize results. Funded by a Google gift to Dr. George K. Thiruvathukal. *Python (Numpy, Pandas, Matplotlib, Scikit-learn) JSON*

Loyola University Chicago FYRE Program

2020 - 2021

Researcher

- Recipient of FYRE scholarship. Worked closely with faculty mentors and 10 peers to develop critical analysis skills, ask research questions, and read scholarly papers.
- 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 (Numpy, Matplotlib) YAML*

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 to predict the next purchase of HM customers. *Python (TensorFlow, Scikit-learn, Deep Learning, RNN)*

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, SVM, 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>