

Eugene V. Pirono

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EDUCATION

Boston University, College of Arts and Sciences

Bachelor of Science in Math and Statistics, Minor in Computer Science

GPA: 3.48

September 2020 - May 2024

ACADEMIC BACKGROUND

Relevant Courses: Programming in Python, Data Structures in Java, Geometric Algorithms, Combinatorial Structures, Basic Probability and Statistics, Applied Statistics, Multivariable Calculus, Probability in Computing, Analysis of Variance

RELEVANT EXPERIENCE

Finku | *Personal finance platform aiming to democratize finance in Indonesia*

Jakarta, Indonesia

Backend Software Engineer & Data Engineer Intern

Jan. 2022 - Present

- Developed server-side query using Node.js and Nest.js to increase user acquisition and engagement
- Implement machine learning algorithm to MongoDB, PostgreSQL and AWS data to improve expense categorization
- Constructed new ETL pipeline and optimized Data Lake and Data Warehouse to improve accuracy of credit score neural network

Campaign.com | *Indonesia's largest social action platform*

Jakarta, Indonesia

Data Analyst Intern

Dec. 2021 - Feb. 2022

- Conducted >5GB data cleaning, processing and visualization using Numpy, Panda, Matplotlib from SQL and CSV file format
- Utilized linear regression algorithm and Business Intelligence analysis to increase >25% of sponsorship funds
- Optimized demand forecasting by implementing K-Nearest-Regression to predict user engagement and identify success metrics

Ninja Xpress | *Leading logistics and supply chain with the highest service coverage in over 6 countries*

Jakarta, Indonesia

Nutrition Ambassador

Jun. 2020 - Sep. 2020

- Developed server-side query using Node.js and Nest.js to increase user acquisition and engagement
- Implement machine learning algorithm to MongoDB, PostgreSQL and AWS data to improve expense categorization
- Constructed new ETL pipeline and optimized Data Lake and Data Warehouse to improve accuracy of credit score neural network

PROJECTS

Dr. Reminder | *An automated prescription manager application*

Sep. 2021

- Awarded Community Favorite in the John Hopkins University Medhack Hackathon 2021
- Constructed an unified theme and scalable, dynamic front-end interface using HTML, CSS and Javascript
- Synthesized OCR-API and NLP algorithm to automatically convert medicine prescription images into user's calendar system

AquaTrack | *An mobile application to track water usage in households*

Aug. 2021

- Managed three programmers to complete a software engineering project using Java in 2 days for Hack The 6ix Hackathon 2021
- Designed the application backend functionality by incorporating Android Studio and Json Database file format
- Implemented K-Nearest-Neighbor algorithm to classify cluster of different types of water usage with 96% accuracy

Papua Grow Project | *A self initiated service project aiming to help underserved Papuan locals*

Jun. 2019 - Aug. 2020

- Improved rural community illiteracy rate through organized basic computer usage teachings
- Conducted intensive beach cleaning that restore coral reefs ecosystem and its surrounding coastal environment
- Aided local communities through bulk distribution of daily necessities such as clean water, rice grains, and medicines

LEADERSHIP

Indonesian Student Association at BU | *Cultural organization for Indonesian students in Boston*

Aug. 2020 - Present

Head of Treasury

- Managed the financial assets and liabilities of 200 ISABU members.
- Allocated budget to members of the board and kept track of a financial ledger for 7 events
- Conducted quantitative risk analysis of ISABU's Venmo account to maximize aggregate profit

Math Olympiad Club | *Math club to train students for Math Olympiad*

Aug. 2018 - Aug. 2019

President

- Directed 2 hour weekly meetings for 20 students in preparation for 10 Math olympiads and invitationals
- Coordinated interactive [blog](#) presentation on Stirling's Approximation derivation in auditorium of > 250 students and teachers
- Supervised 20 students in Southeast Asia Mathematics Olympiad and World Math Invitational in 5 Southeast Asia and Oceania countries

TECHNICAL SUMMARY

Programming Languages: Python (expert), Java (expert), JavaScript (proficient), R (intermediate)

ML Python Libraries: NumPy, Pymongo, Pandas, Matplotlib, SciPy, Scikit-learn, PyTorch, TensorFlow, Keras

Databases: MongoDB, MySQL, PostgreSQL, SQLAlchemy, SQLite, Google Cloud Storage, Cloud Firestore, Amazon S3

Data Analysis: Google Sheets, Microsoft Excel, Tableau, Power BI, Looker

Tools/Technologies: Git/GitHub, Bitbucket, Jira, Unix/Linux, shell scripting

INTEREST

Data Analytics, Machine Learning, Artificial Intelligence, Risk Analysis, Blockchain, Fintech, Heath Tech, Nutrition