Eric Elizes

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EDUCATION

Case Western Reserve University   **Cleveland, OH**
Data Science, B.S. and Economics, B.A. (GPA: 3.72/4.00)   *Expected May 2024*

- Machine Learning, Artificial Intelligence, Software Engineering, Computer Security, Data Mining, Databases, Algorithms, Data Analysis, Big Data Indexes, HPC Clusters, Advanced Statistics, Probability

EXPERIENCE

Supercharger   **New York City, NY**
Machine Learning Analyst   *October 2023 – Present*

- Built ML pipelines using *Python* to forecast financials of startups at 76% accuracy for loan approval system
- Employed NLP techniques such as TF-IDF vectorization to classify corporate loan applicants by industry using *SciKit-Learn*; researched algorithms applied by competitors

Capital One   **New York City, NY**
Software Engineering Intern   *June 2023 – August 2023*

- Developed a public backend-for-frontend API in *Java, AWS Lambda,* and *Spring Boot* to dynamically serve product details across platforms for account opening sequence, visited by 300,000+ new customers monthly
- Created comprehensive, automated test suites using *JUnit* and *Mockito* to assure functionality of API
- Personally scoped needs from frontend engineers to identify backend requirements; pitched proposal to 50+

PricewaterhouseCoopers   **New York City, NY**
Consulting Solutions Intern   *June 2022 – August 2022*

- Researched and pitched solutions to increase user retention by 40%; applied *Python* to analyze user data
- Designed 5 dashboards in *PowerBI* to visualize supply/demand trends for social media website clientp

PROJECTS

Voteable   *October 2022 – Present*

- Leads Agile team of 4, developed mobile app revolutionizing how voters stay updated on their ballot
- Developed *React Native* mobile app with *Express.js* login, notifications, and news pulled from *PostgreSQL*
- Built news scraper using *TypeScript* and *Node.js* hosted on *AWS EC2* server, updating *PostgreSQL* databases at scheduled cron job frequencies in a secure environment tested with *Jest*

Facial Recognition Algorithm   *Spring 2023*

- Collaborated to develop a facial recognition algorithm, training on a dataset of 17,500 faces
- Tested six machine learning models, including SVM and multiple neural networks
- Applied HPC Cluster *parallelism* and *TensorFlow* to train effective models, achieving 82% accuracy

SKILLS

Data Science: Maching Learning, Natural Language Processing, Web Scraping, Python (NumPy, Pandas, SciKit-Learn, Tensorflow, Scrapy, Seaborn, Matplotlib, Scipy), R (Tidyverse, Markdown, ggplot2), Linux Shell

Software: Frontend, Backend, REST APIs, Testing, CI/CD, TypeScript, JavaScript (React Native, React.js, Nodes.js, Express.js, Firebase), Java (Swing, Spring Boot, JUnit, Mockito), SQL (PostgreSQL, JDBC), AWS

ACTIVITIES

- Piano, synthesizer, viola, violin, and ukelele for musicals and composition
- Club rugby player for university
- Subcommittee Chair in Student Government, previously Treasurer Executive
- Cooking enthusiast

See full resume on LinkedIn