EMIR POLAT

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OBJECTIVE

As an analytical and innovative Data Visualization Specialist, I bring over 2 years of experience in data analysis, predictive modeling, and AI-driven solutions, underpinned by a solid foundation in Computer Science from Cornell University. My expertise spans Python, SQL, and advanced data visualization tools, enabling me to transform complex datasets into clear, impactful visual narratives. With a proven track record of deploying machine learning and statistical analysis to unlock actionable insights, I am eager to contribute to a dynamic team, enhancing data-driven strategies and driving business success through compelling data storytelling and robust analytical frameworks.

EDUCATION

Cornell University, College of Engineering   **Ithaca, NY**
Bachelor of Science in Computer Science   Expected May 2024
Cumulative GPA: 3.55/4.0; Dean's List, 4 semesters

Relevant Courses: Data Driven Web Applications, Interactive Information Visualization, Analysis of Algorithms, Machine Learning, Artificial Intelligence, Natural Language Processing, Operating Systems, Computer System Organization.

RELEVANT EXPERIENCE

Ava Labs, New York, NY, *Investment Portfolio Analyst Intern*   **July – Sep. 2023**
- Led due diligence on two investments, producing concise investment memos that communicated insights and potential returns to the investment committee.
- Represented Blizzard on investment calls, contributing to due diligence with technical questions about the product.
- Analyzed Avalanche's Subnets and Optimism's OP Stack, assessing decentralization, governance, flexibility, customizability, scalability, performance, and security in an in-depth analysis paper.
- Proposed new sub-verticals for portfolio refinement during the reclassification of verticals.
- Conducted comprehensive pre- and post-meeting research on the management team, market, product, competitors, and market fit of the potential investment opportunities.

Arcelik, Istanbul, Turkey, *Data and Artificial Intelligence Engineering Intern*   **July – Aug. 2022**
- Conducted cleaning and pre-processing of datasets comprising 180k+ records from call center maintenance requests
- Performed data exploratory analysis using Pandas, NumPy, Matplotlib and presented the findings to managers.
- Implemented and optimized the state-of-the-art machine learning and deep learning techniques like SVM, logistic regression, random forest, RNN, LSTM, etc., leveraging frameworks like Scikit-learn, PyTorch, and Tensorflow.
- Performed train/test/validate split and cross-validation to assess the effectiveness of different models.
- Built, trained and tested a model that supports field technicians with decision-making, accurately forecasting inventory requirements and recommending essential tools and parts for maintenance appointments.

Token Financial Technologies, Istanbul, Turkey, *Front-End Developer Intern*   **June – July 2022**
- Engineered web applications with HTML, CSS, and JavaScript, focusing on UI design and client-side scripting.
- Implemented language redirection functionality for intuitive visualization interaction in preferred language.
- Devised and deployed a codebase optimization tool that refactored variable names for increased code clarity.

LEADERSHIP EXPERIENCE

International Students Union, Cornell University, *Vice President of Internal Operations*   **Sep. 2021 – Present**
- Directed the operations of an umbrella organization that has $120K+ in funding and serves as the representative body for all international-background students at Cornell.
- Led recruitment for Fall '23 and Spring '24, selecting 20+ students for Executive Board and 50+ for Union.

Cornell Blockchain, Cornell University, *Member*   **Jan. 2023 – Present**
- Successfully completed a comprehensive 5+ week new member education program on Web3 fundamentals, consensus mechanisms, tokenomics, regulations, and applications in Layer2, DeFi, governance, and business.
- Mastered Solidity programming with Foundry framework, specializing in smart contract development, gas optimization, testing, security, ERC standards, Yul, and advanced EVM topics.

SKILLS & INTERESTS

- **Technical Skills:** C, C++, Python, Java, HTML, CSS, JavaScript, SQL, Solidity, OCaml, Excel, Apache Airflow
- **Interests:** Snowboarding, Kitesurfing, DJing, Weight Training, Soccer, Swimming, Hiking, Traveling, Trying New Food