Jun Huang

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EDUCATION

CUNY Hunter College   Aug. 2020 – May 2024
B.A in Computer Science, Minor in Mathematics   *Manhattan, NY*

Relevant Coursework

Discrete Structures and Algorithms, C++ Programming, Computer Architecture, Database management, Web Development

EXPERIENCE

BNY Mellon   Aug 2024 – Present
Software Developer Analyst   *Manhattan, NY*
- Developed a machine learning solution to detect and flag YAML files with specific triggers, streamlining the data validation process.
- Improved processing speed by 70% compared to manual filtering, significantly enhancing operational efficiency.
- Designed the system to filter and process over 100,000+ data points, ensuring accurate data cleaning and clustering for better analysis.
- Provided deep analytics and insights into each cluster, allowing for better decision-making and identifying critical patterns within the data.

Software Developer Intern   Jun 2023 – Aug 2023
- Cooperated with a senior developer and a fellow intern to develop a REST API utilizing FastAPI that generates an anomaly reporting service providing executives with trends about anomalies within their lines of business
- Optimized data processing workflows by 28% through advanced SQL querying and Pandas data manipulation techniques
- Designed visually appealing and informative email reports featuring graphs, charts, and other visualizations to communicate insights to executives effectively
- Ensured high code quality and reliability by implementing comprehensive unit tests

Unadat   Feb 2023 – May 2023
Software Developer Intern   *New York, NY*
- Worked closely with a cross-functional team of 10 professionals to enhance the company's main website
- Implemented new user engagement features such as a recommendation system, badges, and avatars to improve overall user interaction by 18%
- Utilized HTML, CSS, JavaScript, PHP, and MySQL to develop the frontend, backend, and database components
- Leveraged Git for version control and team collaboration, deploying updates to the Google Cloud platform

PROJECTS

Money Minder | *React, Next.js, Javascript, MySQL, Tailwind CSS, Plaid API*
- Lead a team of 4 developers to create a full-stack spending-tracking web application with automatic tracking and analysis capabilities using the Plaid API
- Designed a fully normalized MySQL database schema to efficiently store and retrieve user financial data, enabling comprehensive transaction analysis
- Leveraged Next.js to build the application's responsive and scalable frontend, as well as the backend API and server-side logic
- Project Link — Website Link

Employee Management System | *React, Express.js, HTML/CSS, PostgreSQL, Sequelize*
- Collaborated with a cross-functional team of 4 to develop a feature-rich employee management system
- Constructed the backend API and server-side functionality with Express.js, interfacing with a PostgreSQL database using Sequelize ORM
- Contributed to the overall system architecture and integration of frontend, backend, and database components
- Project Link

TECHNICAL SKILLS

Programming: Python, C++, PHP, JavaScript, Golang, SQL, Swift, HTML/CSS
Frameworks and Libraries: React, Next.js, Django, FastAPI, Pandas, Scikit-Learn, Tailwind
Developer Tools: Git/Github/Gitlab, MongoDB, MySQL Workbench, DBeaver, Google Cloud, Jira, XCode