Noah Turcas

Portfolio: noahknowstech.com

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WORK EXPERIENCE

Stock Trading App

Analytical program designed for stock trading generating 37.8% profitability from June 6, 2023 - June 6 2024.

- Used SQL Server database to keep transactions of each stock.
- Used PowerShell to invoke python scripts collecting daily stock prices.
- Used stored procedures, views, and functions to extract most profitable stocks.
- Created automatic maintenance plans for backup, index optimization, and disaster recovery.
- Used third party libraries for notifications and reminders triggered by SQL Server agent job.
- Used GitHub for source control.

Car Model Recognition

A machine learning model capable of identifying car models from images and retrieving detailed specifications and related information for each detected model.

- Preprocessed and augmented 500+ images by converting them into tensors, applying transformations, and removing duplicate images to improve model training.
- Built and fine-tuned a convolutional neural network in PyTorch, utilizing backpropagation and cross-entropy loss for accurate car model classification.
- Developed a basic web interface using HTML, CSS, and JavaScript allowing users to upload images; integrated the trained model to predict car models and display detailed car information.

9Boneless Website

- Created the website and streamlined the business's operations and improved customer convenience, showcasing my ability to design practical, user-focused web solutions.

SKILLS

- **Programming Languages:** Python, T-SQL, C++, HTML, CSS, JavaScript
- **Databases:** SQL Server 2022, SQL Server 2019, PostgreSQL, Excel, Google Sheets
- **Frameworks, Platforms, Tools:** PyTorch, Flask, Pandas, NumPy, Matplotlib, Git/GitHub, Wix
- **Cloud & OS:** AWS EC2, AWS Route 53, AWS ELB, AWS ACM, Linux, Windows
- **AI & ML:** Computer Vision, NLP, Chatbots

EDUCATION

Google Data Analytics Professional Certificate

Completed extensive six-month job-ready Google Career Certificate training. Demonstrated hands-on experience with data cleaning, data visualization, project management, interpreting and communicating data analytics findings. Confidence in transforming complex data into actionable and clear insights. Fluency in programming languages and databases.

Parkway Christian School, Sterling Heights, MI, Graduation: 2023