Viktor Hou

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CGPA: 3.9

PROFILE

- 2022 Dalhousie Entrance Scholarship, 2022 Global Scholars Award, 2023 Dalhousie In-Course Scholarship, 2024 Dalhousie In-Course Scholarship
- Developed strong time management and project driving skills, worked with 3 projects such as Artificial Intelligence, Data Science, and Information Retrieval related.
- Established 3-year leadership, teamwork, and communication skills while directing large development projects such as 4 platform developments, 2 game AI development, and 1 Robot automation.
- Provide Data Science solutions by manipulating datasets to predict and classify customers.

EDUCATION

Dalhousie University

Bachelor of Computer Science 09.2021 – 10.202

PROJECT

ARTIFICIAL INTELEGENT Daily Update

- Engineered AI projects in 3 years Python, integrating 2 neural networks, 3 stochastic gradient descent, KNN, and linear regression algorithms, resulting in versatile solutions applicable for 92% customer classification, missing data prediction, and more.
- Deployed AI models have 97% correct classify real-life data, thereby optimizing decision-making processes across various domains.
- Introduced self-learning algorithms, enhancing AI systems' performance and adaptability by 17%, leading to continuous improvements in predictive accuracy and operational efficiency.
- GitHub: https://github.com/TianzhengHou/Artificial-Intelligence

DATA SCIENC| DEVELOPER Daily Update

- Led data analysis initiative to optimize vehicle selection at local dealership, resulting in strategic stock adjustments and increase revenue by 19%.
- Developed Overvalued SUV Predictor model, to decrease cost by 8%
- Selecting 3 optimal data science solutions for business impact.

- Use multiple AI models to increase customer prediction by 17% and speed up the process time by 11%
- Implement hyper-parameter tuning to increase model performance by 4%
- Proposed hypotheses for further studies to enhance customer satisfaction and dealership performance.
- GitHub: https://github.com/TianzhengHou/DataScience

INFORMATION RETRIEVAL Daily Update

- Implement text to image search using transformer CLIP model developed by OpenAI achieve 84% accuracy image return.
- Employed cutting-edge ranking techniques have a 95% accuracy of document return.
- Integrated powerful search engine, empowering users with lightning-fast under 2mm and 15,000,000 capabilities for seamless information access.
- Spearheaded the development of innovative algorithms and techniques, revolutionizing the way information is retrieved and utilized.
- GitHub: https://github.com/TianzhengHou/InformationRetrieval

SKILL

- A.I. Experience: Developed Neural Net Classifier in Python using NumPy for Computer Vision project.
- Database Management: Explore concepts such as database design, normalization, indexing, and transactions. shorten this. Learn SQL (Structured Query Language) for querying and managing relational databases.
- Programming: Proficient in Python (4 years), C, and Java.
- Development: Indie Game Developer skilled in Unity game engine, pixel art, animation, music composition, and UI design.
- Team Leading: Led successful completion of projects in 2-6 person teams, expert in task management, communication, and presentation.
- Multitasking: Achieved A+ grades while working on 4-5 final projects.
- Self-Learning: Proactively learned Unity and C# before University, currently expanding skills in AI with a 3.9 CGPA.