Yuran Zhang

Contact

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3rd-year Computer Science undergraduate with experiences in web devlopment and AI. Proficient in 5+ programming languages. Algorithm enthusist, competitive programmer with remarkable problem-solving skills. Object-driven, quick learner, and strong team player with effective communication skills.

Education

Mcgill University Sep. 2021 – Present Montreal QC
Bachor of Science in Computer Science / Minor Statistics
Marianopolis College Aug. 2019 - Jun. 2021 Westmount QC
DEC - Pure & Applied Science

Technical Skills

Programming Languages: Java, C/C++, Python, Bash, Ocaml, R, SQL
Web Development: JavaScript, Typescript, HTML, CSS
Databases: MySQl, MongoDB
Frameworks/Libraries: React, Node.js, Express.js, Java Neuroph, Python Flask, Numpy, Pandas, various ML libraries (pyTorch, Tensorflow, etc)
Developer Tools: GitHub, Pycharm, Intellij Idea, VS code

Projects

- **Personal Portfolio Website** | React/Node.js, Tailwindcss, Express.js

--Built and deployed a clean, fully responsive portfolio website with modern UI/UX design, and highly optimized performance.
--Used various routing techniques.
--Implemented various additional features including cool animations, and several APIs built with Express.js.
--Deployed on AWS
--Integrated a simple chatbot that can engage in a human-like conversation and respond in a logical manner.

- **Prometheus AI Project** | Java (neuroph Library)

--Crafted a sophisticated Java-based AI for a virtual maze robot, showcasing adept decision-making in a complex environment with obstacles and adversaries.
--Utilized advanced machine learning techniques, including MLP and Knowledge-Based NN, alongside a Production System.
--Implemented with efficient data structures for optimized performance.

- **Course Project: Colosseum AI Project**

--Implemented the smart AI for go-like game using advanced AI principles. The AI can think humanly and taking various complex environmental factors into accountfor its self-justified decisions and plan under uncertainty.
-- Optimized AI performance: Top-10 ranking among 150 teams with an 83%-win rate against humans and bots.

Extra activities

- **Executive of Compete Mcgill Team**

--Organized and conducted workshops, delivering lectures on advanced algorithm theory for competitive programming.
--Fostered student engagement in ACM/ICPC contests, contributing to overall club development.
--Sharpened problem-solving skills and exhibited effective team leadership.

Achievements

- ICPC (International Collegiate Programming Contest) Northeastern Division (NENA) 2022: 30th position among other teams in North America
- ICPC North America Qualifier (NAQ) 2023： 4th position against other teams at Mcgill