Hanz Nathan Po

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PROJECTS

Albumify - Automated Album Covers for Spotify Playlists - Hack the North Project
React.js, JavaScript, CSS, Chakra UI, FastAPI, Python   Sept. 2023
- Developed the user interface and frontend logic for Albumify, a web application aimed at automatic album cover generation for Spotify playlists, using React, JavaScript, and Chakra UI, including Spotify API integration.
- Collaborated with a multidisciplinary team of four to bring Albumify from concept to reality, from flowcharts and wireframes, to a Figma design, then a working prototype, while using tools such as Git and GitHub.

Skills Canada Coding Competition - 1st in Ontario x2
Java, Maven   May. 2023, 2024
- Competed against representatives from school boards across Ontario to create CRUD program in one day.
- In 2023, read and wrote to a database containing recipes and filtered them, then calculated ingredients before displaying them to the user.
- In 2024, created a quiz app that loads questions and displays them to users with changing difficulty based on skill.

Exploring Factors in Clean Energy Adoption Worldwide - STEM Fellowship Big Data Challenge
Python, Matplotlib, Pandas, Scikit-learn   Nov. 2021 – Feb. 2022
- Analyzed the correlation between economic factors such as GDP, Human Development Index scores (HDI) against how much of a country's energy comes from emission-free and renewable sources using regression models.
- Utilized Pandas to import and parse large datasets, observed patterns using Scikit-learn's regression functions, then visualized interesting findings through Matplotlib & Geopandas (world maps, scatter plots, line graphs).

EXTRACURRICULARS

Computer Science Club - Co-founder and President
May. 2023 – Present
- Led and organized regular club meetings, fostering a collaborative learning environment with workshops on various computer science-related topics including web development, tools such as Git, and contest preparation.
- Promoted enrichment opportunities such as hackathons, competitive programming, capture the flag events, and robotics competitions in order to encourage hands-on experiences among members.

Model United Nations Club - President
Sep. 2022 – Present
- Facilitated training of approximately 30 club members in preparation for conferences, covering debate skills, Model UN rules of procedure, and resolution writing, for conferences at McGill University, University of Toronto, and more.
- Secured over $3000 in funding through sponsorships and fundraisers, making conferences more accessible.

EXPERIENCE

Student Intern - Leadership Department
Oct. 2022 – Jun. 2023
Toronto Catholic District School Board | Co-op   *Toronto, ON*
- Designed promotional material for board-wide conferences, leadership camps, and other events, including posters, shirts, videos, and animations with tools such as Canva, Illustrator, and Premiere Pro.
- Analyzed data regarding student involvement and participation in 31 high schools across Toronto.

EDUCATION

Francis Libermann Catholic High School
Toronto, ON
98 Top 6 Average | Ontario Secondary School Diploma (OSSD) | Expected Graduation Jun. 2024   *Sep. 2020 – Present*
- STEM Program - One of 52 students selected from 250+ applicants
- Honour Roll (2021, 2022, 2023)
- Finalist at school science fair, bronze medal at Toronto Science Fair

SKILLS

Languages: English (Native), Hokkien, Mandarin, Tagalog, French (A2)
Programming Languages: JavaScript, Python, C# (for Unity engine), Java, HTML, CSS
Tools: Git, Github, Visual Studio Code, Eclipse, Jupyter Notebook, Unity 3D, Vite, Node.js
Libraries: React, Flask, Pandas, NumPy, Express, Matplotlib, Scikit-learn