Hanz Nathan Po

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EDUCATION

Francis Libermann Catholic High School Toronto, ON

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)

PROJECTS

Skills Ontario Coding Competition - Province Winner

Java, Maven May. 2023

- Competed against representatives from 30 school boards across Ontario to create a program for a practical scenario
- Utilized Java to read and write to a database containing recipe information, display recipes in an accessible format, filter recipes based on dietary restrictions, and calculate ingredients based on provided servings.

Does A.I. See How We See? - Toronto Science Fair Bronze Medal Winner

Python, Keras, OpenCV, Pandas, Matplotlib, Numpy Oct. 2022 – Apr. 2023

- Tested the performance of a neural network trained on the MNIST dataset of handwritten digits.
- Developed a graphical interface for the model, then analyzed various metrics of the model's performance in different conditions including font and colour.

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
- 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

Model United Nations Club (President) Sep. 2022 – Present

- Facilitate training of all club members in preparation for conferences
- Organize school delegations to several conferences for the first time in club history
- Secure club funding, making conferences accessible to more students

Hacking Club (Team Member) Sep. 2020 – Present

- Participate in Capture the Flag (CTF) events including PicoCTF 2021, 2022, and 2023
- Utilize various security technologies including Wireshark, Ghidra, Cyberchef, Metasploit, John the Ripper, Steghide, & Burp Suite

EXPERIENCE

Student Intern Oct. 2022 – Present

Toronto Catholic District School Board | Co-op *Toronto, ON*

- Design promotional material for board-wide events, including posters, videos, and animations
- Analyze data regarding student involvement and participation in 31 high schools across Toronto
- Create PowerPoint slideshows to be used during presentations at Catholic Student Leadership events

SKILLS

Soft Skills: Communication, collaboration, leadership, problem solving, interpersonal, analytical skills
Languages: English, Hokkien, Mandarin, Tagalog
Programming Languages: Java, Python, C# (for Unity engine), HTML, CSS
Tools: Git, Github, Visual Studio Code, Eclipse, Jupyter Notebook, Microsoft Office (Word, Excel, Outlook, PowerPoint, Publisher), Unity Game Engine
Libraries: Pandas, NumPy, Matplotlib, Scikit-learn, Tkinter