

# HANZ NATHAN PO

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## PROJECTS

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### 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.
- Collaborated effectively with a multidisciplinary team of four to bring Albumify from concept to reality, using tools such as Git and GitHub.

### Skills Canada Coding Competition - 1st in Ontario

Java, Maven

May. 2023

- Competed against representatives from 19 school boards across Ontario to create CRUD program in one day
- 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.

### 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

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### 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 and competitions in order to encourage hands-on experiences among members.

### Model United Nations Club - President

Sep. 2022 – Present

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

## EXPERIENCE

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### Student Intern - Leadership Department

Oct. 2022 – Jun. 2023

Toronto Catholic District School Board | Co-op

Toronto, ON

- Design promotional material for board-wide events, including posters, videos, and animations with tools such as Canva, Illustrator, and Premiere Pro
- Analyze data regarding student involvement and participation in 31 high schools across Toronto

## EDUCATION

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### 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, 2023)
- Finalist at school science fair, bronze medal at Toronto Science Fair

## SKILLS

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**Soft Skills:** Communication, collaboration, leadership, problem solving, interpersonal, analytical skills

**Languages:** English (Native), Hokkien, Mandarin, Tagalog, French

**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, Express, Pandas, NumPy, Matplotlib, Scikit-learn, Tkinter