Heejae Cho

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Education

Hong Kong University of Science and Technology - Mathematics and AI

2024 - 2028

• Majoring in Mathematics (CS Track) with an Extended Major in Artificial Intelligence

Ateneo Senior High School – STEM Track

2022 - 2024

• First Honor graduate (3.91/4)

Experience

Software Developer, Google Developer Group @ HKUST, - HKUST

2025 - Present

- Contributing as a team member in software development projects focused on web/app development (Frontend)
- Applying programming skills in JavaScript, Python, Flutter

Information Technology Intern, ITSO – HKUST

2025 - Present

- Managed and oversaw the use of IT equipment in the 3 computer laboratories in HKUST
- · Assisted students and staff in troubleshooting IT problems involving computers, printers, ID cards, and others
- Dedicated at least 7 hours of part-time work per week in managing HKUST computer laboratories

Director of Analysis, Department of Data Analytics, - Ateneo Senior High School

2022 - 2023

- Conducted and deployed over 15 research projects and surveys throughout the entire school
- Managed and taught a team of 40 junior research members
- Prepared research reports detailing results and interpretations of data
- Tools Used: Excel, Google Forms, R Studio

Projects

PlusAlpha: An AI-Powered Stock Dashboard

View Github here

- Created an interactive trading dashboard that fetches real-time stock information using the YFinance API
- Integrated Gemini functionality which allowed users to perform analysis on various stocks and discuss them with the AI model

COVID-19 Spatio-temporal Analysis Research

- First author of Research paper analyzing Spatio-temporal clustering of COVID-19 throughout Manila, Philippines
- Handled Excel data containing patient information spanning 2 million+ rows.
- Overall 1st place in High School STEM Research Competition
- Received an invitation-only opportunity to present at the International School Manila STEAM convention.
- Tools Used: Excel, GeoDa, QGIS, Python

Skills & Coursework

Tools: Python, Pandas, Numpy, Matplotlib, SciKit Learn, C++, Rust, C#, Java, GIS Modelling (QGIS, GeoDa), Microsoft Office Suite, Figma, Flutter, JavaScript, HTML, CSS, LTFX typesetting

Coursework: Calculus I&II, Discrete Mathematics, OOP, Intro to AI, MacroEconomics

Languages: English(Native), Korean(Native), Filipino/Tagalog(Professional), Mandarin(Elementary)