

Chan Ngai Man, Peter

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Career Goal

With a strong interest and skills in programming, I aim to deepen my computer science knowledge and pursue a related career, particularly in programming. I am drawn to this field because I became very attached to programming during a project in my final year of university. Since then, I have been studying computer science and recently started working on my website using Vue.js. I wish to broaden my view and apply my knowledge in my future career.

Education

Hong Kong University of Science and Technology

Bachelor's degree, BSc in Physics - Second Class Honors

Major cumulative grade average (MCGA): 2.647 out of 4.3

Clear Water Bay, Kowloon, Hong Kong

09/2020 - 09/2024

Projects

Machine Learning in Weather Forecasting

Grade: A+

- Predicted future weather status based on past data at Hong Kong Wetland Park using Machine Learning
- Random forest regression were used for the prediction, parameters were also tuned by cross-validation

Mathematical Methods in Physics - Final Project

Grade: A-

- Calculated the values of quasi-energy by solving physics equations and plotted out the results

Simulation of Protein Folding using Monte Carlo Method

Grade: B+

- Constructed a simplified lattice protein model under the guidance of Professor Leung Pak Wo
- Simulated different folding process under different temperatures using Monte Carlo Method

Celestial Mechanics

Grade: B

- Simulated the Solar System with Mercury, Earth and Mars and a planar three-body problem
- Calculated and plotted their trajectories in a 2D figure at different conditions

My Personal Website

peterchanpc.github.io/My-Practice/

- My projects before graduation are all based on Python, you can check out my practices using HTML, CSS, JS and Vue.js on my website

Skills

Programming Language: Python, JavaScript, C#, C++(beginner)

Others/Framework: Unity, HTML, CSS, Vue.js

Language: Cantonese (Native), Mandarin (Fluent), English (Fluent)

Availability: Immediate