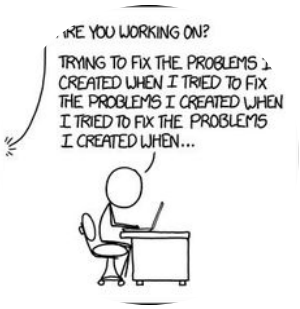

David Hua

Undergraduate Student in Science | University of British Columbia, Vancouver
Email: huayikai.david@gmail.com | Download CV

About Me

I am a science student from UBC. My academic interests include Machine Learning, Natural Language Processing and Cybersecurity. I am passionate about developing innovative solutions and learning new technologies.

Education

Chinese University of Hong Kong, Shenzhen

From June 2023 - August 2024

Program: B.E. in Computer Engineering

GPA: 3.7

University of British Columbia, Vancouver

From August 2024 - Present

Program: B.S.

GPA: 4.33(93.3)

Skills

Technical Skills:

- **Python (Proficient):** Pandas, Scikit-learn, Numpy, Altair, Openai
- **R (Basic)**
- **Java (Basic)**
- **Racket (Basic)**
- **Web Development (Basic)**
- **Version Control:** Git, GitHub
- **Prompt Engineering**
- **Excel (Proficient)**

Soft Skills:

- **Teamwork**
- **Task Arrangement**
- **Task Breakdown**
- **Communication**

Language:

- **English (Advanced)**
- **Manderin (Proficient/Native)**
- **Shanghainese (Advanced)**

Projects

UBC Course Visual Planner

I builded a Course visualizing and planning tool to plan my future course and help other students in UBC. (The Python version is complete and can be found in the All-University Branch. Currently, my friends and I are working on the main branch, which is the website that has more functionalities.) View the project on GitHub

UBC MineCraft Player Analysis Project

This project analyzes player behavior on a UBC-hosted Minecraft server using player and session data. The goal is to identify which types of players contribute the most data, aiding targeted recruitment for future research. View the project on GitHub

ESG Report Information Extraction

A private project where I work with two other people to use OpenAI's API to extract valuable insights from ESG reports and analyze the data we get.

Due to the nature of the project, this cannot be shared publicly.

Experience

Finance Officer, CUHK(SZ) IEEE Student Branch

From August 2023 - July 2023

- Pioneered the establishment of the finance department to professionalize budget management and financial oversight, previously managed by the branch leader.
- Initiated and managed a reimbursement project for IEEE membership fees, funded by the School of Science and Engineering, to boost student membership in the global IEEE community.

Hobbies

1. Sports

- **Cycling**
- **Badminton**

2. Reading

I love reading all kinds of books: Mystery Novels, Science Fictions, Historical Novels, Fantasy, Textbooks, etc.

Here are a few books I like:

- Structure and interpretation of computer programs(by MIT)
- All Creatures Great and Small(by James Herriot)
- The Hobbit(by J. R. R. Tolkien)
- Alfred Hitchcock's Novels
- One Hundred Years of Solitude(by Gabriel José de la Concordia García Márquez)
- The Selfish Gene(by Richard Dawkins)
- Cthulhu Mythos(by Howard Phillips Lovecraft)
- David Copperfield(by Charles Dickens)

- The Mysterious Island(by Jules Gabriel Verne)

3. Writing

I like writing novels in the spare time, mainly Science Fiction and Mystery Novel.

4. Online Courses

I enjoy online courses and often spend my spare time watching them. And I really respect and am grateful to the institutions that offer these high-quality courses.

Here are a few high-quality courses I found interested:

- MIT 18.01: Single Variable Calculus
- MIT 18.02: Multivariable Calculus
- 3B1B(Youtube): Essence of calculus: The idea of visualizing Math it great. This is something you can watch it anytime and have fun.
- MIT 18.06: Linear Algebra: On May 15, 2023, Gilbert Strang taught his last class in 18.06, concluding his 61-year teaching and research career at MIT at the age of 88. However, his linear algebra courses have already and will continue to influence generations of young students. I would like to pay the highest respect to this esteemed gentleman.
- 3B1B(Youtube): Essence of linear algebra
- MIT 6.001: Structure and Interpretation of Computer Programs
- MIT 6.042J: Mathematics for Computer Science
- Yale PHIL 176: Death

5. Movies

- **The Truman Show**: I love Jim Carrey's movies.
- **The Shawshank Redemption**
- **Psycho(by Hitchcock)**
- **The Big Bang Theory**
- **The Greatest Showman**: The movie itself isn't that great, but I like the singing part.

6. Musicals

- **Hamilton**
- **Les Misérables**
- **1789 : Les Amants de la Bastille**