

# XUHAN HUANG

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## EDUCATION

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**The Chinese University of Hong Kong, Shenzhen**

*2022.9 - present*

Pure Mathematics

**CGPA: 3.893/4.000**, rank 3 in School of Science and Engineering, rank 1 in Pure Math

### Relavant Courses

**MGPA: 3.940/4.000**

Honours Calculus I(A)

Introduction to Computer Science(A)

Honours Calculus II(A)

Computational Laboratory(A)

Honours Linear Algebra(A)

Probability(A)

Honours Mathematical Analysis(A-)

Advanced Linear Algebra(A)

Honours Ordinary Differential Equations(A-)

Introduction to Information Theory (audited)

### Courses in Process

Machine Learning

Optimization

Complex Analysis

Stochastic Process (Auditing)

## EXPERIENCE

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### Visiting Student

Shenzhen Research Institute of Big Data

*2024.1.19- 2024.6.30*

### Undergraduate Student Teaching Fellow of Honours Calculus

School of Science and Engineering, CUHK(SZ)

*2024.1.8- 2024.5.10*

Delicerd lectures about Calculus and Analysis every week.

## ACTIVITIES

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### Seminar in Elementary Real Analysis

*Summer 2023*

Joined in Seminar in Elementary Real Analysis and delivered three lectures on continuity, limit and differentiation in  $\mathbb{R}^N$ .

## SKILLS

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### Programming with Python, C++ and LaTeX

Python: Got A in both **Introduction to Computer Science** and **Computational Laboratory**

C++: Learned C++ since elementary school and have achieved multiple awards in the National Olympiad in Informatics in Provinces (NOIP) and China Standard Software (CSP-S) competition

### Fundamental Analytical and Algebraic Abilities

Got A in **Honours Calculus(I & II)**, **Honours Linear Algebra** and **Advanced Linear Algebra**

### Primary Knowledge of Neural Networks

### Strong Self-Learning and Cross-Disciplinary Learning Abilities

## AWARDS AND SCHOLARSHIPS

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**Achievements in National Olympiad in Informatics**

Won first prize in the Second Round of the China Standard Software (CSP) Competition 2020, Senior Group *2020*

Won second prize in the National Olympiad in Informatics in Provinces (NOIP) 2020 *2020*

Won first prize in the National Olympiad in Informatics in Provinces (NOIP) in 2017 and 2018, Junior Group *2017, 2018*

**Achieved first prize in the first round of the Mathematical Olympiad Competition for two academic years** *2020, 2021*

**The Academic Performance Scholarship** *2022-2023*

**Bowen Scholarship and Half Tuition Scholarship** *2022, 2023*

**Dean's List** *2022 - 2023*