Name:

LIU, Minghao 刘明昊

Student ID: Year of Study: Print Date: 20944721 3rd Year 23 August 2025

01:55:26

Reg Status:

Active in Program

Unofficial Transcript of Academic Record (as of 23 August 2025)

Advisor(s): YI, Ke

LI, Xin

Academic Program

Admit Date: 1 September 2022

Program: Bachelor Degree in School of Engineering (with Extended Major in Artificial

Intelligence)

Program Change: 2023-24 Fall

Program: Bachelor of Engineering

Major: Computer Science (with Extended Major in Artificial Intelligence)

Program Change: 2023-24 Fall

Program: Bachelor of Engineering Major: Computer Science

Effective: 2024-25 Fall Add Minor: Mathematics

On Exchange: 2024-25 Fall

Washington University in St. Louis

Academic Records

2022-23 Fall (Full-Time)

| • | , | Credit | Credit | |
|-------------|--|-----------|--------|-------|
| Course Code | Course Title | Attempted | Earned | Grade |
| COMP1021 | Introduction to Computer Science | 3.0 | 3.0 | Α |
| COMP2711 | Discrete Mathematical Tools for Computer Science | 4.0 | 4.0 | Α |
| CORE1402 | English Language for University Studies | 3.0 | 3.0 | С |
| CORE1905B | Behavioral Foundations of University Education: Habits, Mindsets, and Wellness | 3.0 | - | PP |
| MATH1023 | Honors Calculus I | 3.0 | 3.0 | Α |
| PHYS1112 | General Physics I with Calculus | 3.0 | 3.0 | A+ |

TGA: 3.681 CGA: 3.681 Cumulative Credits Earned: 16.0

Awards: HKSAR Government Scholarship Fund - Talent Development Scholarship

2022-23 Winter (Full-Time)

Awards: HKSAR Government Scholarship Fund - Talent Development Scholarship

2022-23 Spring (Full-Time)

| zozz zo opinig (i un i | | Credit | Credit | |
|------------------------|--|-----------|--------|-------|
| Course Code | Course Title | Attempted | Earned | Grade |
| COMP2011 | Programming with C++ | 4.0 | 4.0 | Α |
| CORE1251 | Optimizing Decisions for Personal and Business Development | 3.0 | 3.0 | Α |
| CORE1403S | Academic English for University Studies | 3.0 | 3.0 | В |
| CORE1905B | Behavioral Foundations of University Education: Habits, Mindsets, and Wellness | 3.0 | 3.0 | Р |
| IEDA2010 | Introduction of Industrial Engineering and Decision Analytics | 3.0 | 3.0 | A+ |
| LEGL1000 | Legal Education (PRC Constitution, Basic Law, National Security Law and Legal System of HKSAR) | 0.0 | - | Р |
| MATH1024 | Honors Calculus II | 3.0 | 3.0 | Α |
| PHYS1114 | General Physics II | 3.0 | 3.0 | A+ |
| | | | | |

TGA: 3.937 CGA: 3.820

Cumulative Credits Earned: 38.0

Awards: Dean's List

HKSAR Government Scholarship Fund - Talent Development Scholarship

2022-23 Summer (Full-Time)

Credit Credit **Course Code** Course Title Attempted Earned Grade MATH2411 **Applied Statistics** 4.0 4.0 A+ UROP1000 Undergraduate Research 0.0 Ρ Opportunities

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20944721 3rd Year

23 August 2025 01:55:26

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Unofficial Transcript of Academic Record (as of 23 August 2025)

| Course Cod | le Course Title | Credit Attempted | Credit Earned | Grade | Course Code COMP1942 | Course Title | Credit Attempted | Credit Earned 3.0 | Grade |
|------------------------|--|---------------------|------------------|-------|-------------------------|---|---------------------|-------------------------|----------|
| TGA: 4.300 | | | | | COMP1942 COMP1991 | Exploring and Visualizing Data Industrial Experience | 3.0 0.0 | 3.0 | A- PP |
| CGA: 3.869 | | | | | COMP1991 COMP3711H | Honors Design and Analysis of | 0.0 4.0 | 4.0 | A- |
| | Condito Formado 40.0 | | | | | Algorithms | 4.0 | 4.0 | Α- |
| Cumulative | Credits Earned: 42.0 | | | | COMP4211 | Machine Learning | 3.0 | 3.0 | A+ |
| A | LIKCAR Comment Colombia Found Tolom Re | | | | COMP4431 | Multimedia Computing | 3.0 | 3.0 | B+ |
| Awards: | HKSAR Government Scholarship Fund - Talent De | | | | COMP4900 | Academic and Professional Development | 0.0 | - | PP |
| 003-24 Fal | l (Full-Time) | | | | COMP4971D | Independent Work | 4.0 | 4.0 | A+ |
| LULU-LT FAI | i (i dii Tillio) | Credit | Credit | | ENGG2010 | Engineering Seminar Series | 0.0 | - | Р |
| Course Cod | le Course Title | Attempted | Earned | Grade | MATH2431 | Honors Probability | 4.0 | 4.0 | A- |
| COMP2012 | Object-Oriented Programming and | 4.0 | 4.0 | B+ | | | | | |
| | Data Structures | | | | TGA: 3.843 | | | | |
| COMP2211 | Exploring Artificial Intelligence | 3.0 | 3.0 | Α | CGA: 3.823 | | | | |
| COMP2611 | Computer Organization | 4.0 | 4.0 | B+ | | | | | |
| COMP4900 | Academic and Professional Development | 0.0 | - | PP | Cumulative Credit | is Earned: 83.0 | | | |
| ENGG2010 | Engineering Seminar Series | 0.0 | - | PP | Awards: Dean's | | | | |
| MATH2023 | Multivariable Calculus | 4.0 | 4.0 | A+ | | rsity's Scholarship Scheme for Continuing | | | |
| MATH2131 | Honors in Linear and Abstract Algebra | 4.0 | 4.0 | A- | HKUS | ST Alumni Endowment Fund High Flyers F | Program Scholarsh | nib | |
| JROP1100k | - · · · 3 · · · · · · · · · · · · · · · · · · · | 1.0 | 1.0 | Р | 2023-24 Summer (| (Full-Time) | | | |
| | Opportunities Series 1 | | | | | | Credit | Credit | |
| TGA: 3.705 | | | | | Course Code | Course Title | Attempted | Earned | Grade |
| CGA: 3.705 | | | | | COMP1991 | Industrial Experience | 0.0 | - | PP |
| CGA: 3.816 | | | | | COMP4971H | Independent Work | 4.0 | 4.0 | A+ |
| Cumulative | Credits Earned: 62.0 | | | | LANG2030 | Technical Communication I | 3.0 | 3.0 | В |
| Awards: | Dean's List | | | | TGA: 3.743 | | | | |
| maius. | University's Scholarship Scheme for Continuing Ur | ndergraduate S | tudents | | CGA: 3.816 | | | | |
| | HKUST Alumni Endowment Fund High Flyers Prog | ram Scholarsh | nip | | Cumulative Credit | ts Earned: 90.0 | | | |
| 2023-24 Wi | | | | | Awards: Unive | rsity's Scholarship Scheme for Continuing | undergraduate S | Students | |
| 2023-24 Wii Awards: | University's Scholarship Scheme for Continuing Ur | nderaraduate S | tudents | | | ST Alumni Endowment Fund High Flyers | | | |

2024-25 Fall (Full-Time)

2023-24 Spring (Full-Time)

HKUST Alumni Endowment Fund High Flyers Program Scholarship

Name:

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Student ID: Year of Study: Print Date:

3rd Year 23 August 2025 01:55:26

Reg Status: Active in Program

Unofficial Transcript of Academic Record (as of 23 August 2025)

| Course Code | Course Title | Credit Attempted | Credit Earned | Grade | Cumulative Credit Cumulative Trans | | | | |
|--|---|---|---|------------------------------|---|--|----------------------------|------------------|-------|
| Transfer Credit(s) f | rom Washington University in St. Louis and | equivalent cour | se(s) of HK | UST: | Awards: Dean | s List | | | |
| COMP3211 | Fundamentals of Artificial Intelligence | 3.0 | 3.0 | Т | HKSA | R Government Scholarship Fund - Rea | ching Out Award | | |
| ECON1220 | Thinking like an Economist I: Microeconomics | 3.0 | 3.0 | Т | 2024-25 Summer | (Full-Time) | | | |
| HUMA1720 | Logic | 3.0 | 3.0 | Т | 2024 20 041111101 | i un rimo, | Credit | Credit | |
| MATH2351 | Introduction to Differential Equations | 3.0 | 3.0 | Т | Course Code | Course Title | Attempted | Earned | Grade |
| MATH3033 | Real Analysis | 4.0 | 4.0 | Т | COMP4971L | Independent Work | 4.0 | 4.0 | A+ |
| | , | | | · | COMP4981 | Final Year Project | 6.0 | - | PP |
| Cumulative Credit | s Farned: 90.0 | | | | TGA: 4.300 | | | | |
| Cumulative Trans | | | | | CGA: 3.902 | | | | |
| Awards: HKSA | R Government Scholarship Fund - Reachin | g Out Award | | | Cumulative Credit | | | | |
| 2024-25 Winter (F | R Government Scholarship Fund - Reachin ull-Time) R Government Scholarship Fund - Reachin | | | | Cumulative Trans - Awards: HKSA | | • | | |
| 2024-25 Winter (F o | ull-Time) | g Out Award | | | Cumulative Trans - Awards: HKSA | fer Credits: 16.0 R Government Scholarship Fund - Rea | | | |
| 2024-25 Winter (Fr Awards: HKSA | ull-Time) R Government Scholarship Fund - Reachin | g Out Award | Credit | | Cumulative Trans - Awards: HKSA | fer Credits: 16.0 R Government Scholarship Fund - Rear Time) Course Title Academic and Professional | • | Credit Earned | |
| 2024-25 Winter (Fr Awards: HKSA | ull-Time) .R Government Scholarship Fund - Reachin | g Out Award | | | Awards: HKSA 2025-26 Fall (Full- Course Code COMP4900 | fer Credits: 16.0 R Government Scholarship Fund - Rear Time) Course Title Academic and Professional Development | Credit Attempted 0.0 | Credit | Grade |
| 2024-25 Winter (Fr Awards: HKSA | ull-Time) R Government Scholarship Fund - Reachin ull-Time) Course Title Industrial Experience Academic and Professional | g Out Award Credit Attempted | Credit | Grade | Cumulative Trans Awards: HKSA | fer Credits: 16.0 R Government Scholarship Fund - Rear Time) Course Title Academic and Professional | Credit Attempted | Credit | Grade |
| 2024-25 Winter (Fr Awards: HKSA 2024-25 Spring (F Course Code COMP1991 COMP4900 | ull-Time) IR Government Scholarship Fund - Reachin ull-Time) Course Title Industrial Experience Academic and Professional Development | g Out Award Credit Attempted 0.0 0.0 | Credit Earned | Grade P PP | Awards: HKSA 2025-26 Fall (Full- Course Code COMP4900 | fer Credits: 16.0 R Government Scholarship Fund - Rear Time) Course Title Academic and Professional Development | Credit Attempted 0.0 | Credit | Grade |
| 2024-25 Winter (Fr Awards: HKSA 2024-25 Spring (F Course Code COMP1991 COMP4900 | ull-Time) IR Government Scholarship Fund - Reachin ull-Time) Course Title Industrial Experience Academic and Professional Development Independent Work | g Out Award Credit Attempted 0.0 0.0 3.0 | Credit Earned | Grade P PP | Awards: HKSA 2025-26 Fall (Full- Course Code COMP4900 COMP4981 | fer Credits: 16.0 R Government Scholarship Fund - Rear Time) Course Title Academic and Professional Development | Credit Attempted 0.0 | Credit | Grade |
| 2024-25 Winter (Filtwards: HKSA 2024-25 Spring (Filtwards Code COMP1991 COMP4900 COMP4971C COMP5212 | ull-Time) IR Government Scholarship Fund - Reachin ull-Time) Course Title Industrial Experience Academic and Professional Development Independent Work Machine Learning | g Out Award Credit Attempted 0.0 0.0 3.0 3.0 | Credit Earned - - 3.0 3.0 | Grade P PP A+ A+ | Cumulative Trans Awards: HKSA 2025-26 Fall (Full- Course Code COMP4900 COMP4981 TGA: ** CGA: 3.902 | fer Credits: 16.0 R Government Scholarship Fund - Reactive Fu | Credit Attempted 0.0 | Credit | Grade |
| 2024-25 Winter (Frawards: HKSA 2024-25 Spring (Frawards) (Fraward | ull-Time) IR Government Scholarship Fund - Reachin ull-Time) Course Title Industrial Experience Academic and Professional Development Independent Work Machine Learning Advanced Topics in Multimodal Machine Learning | g Out Award Credit Attempted 0.0 0.0 3.0 | Credit Earned - - 3.0 3.0 3.0 | Grade P PP | Awards: HKSA - 2025-26 Fall (Full- Course Code COMP4900 COMP4981 TGA: ** | fer Credits: 16.0 R Government Scholarship Fund - Rear- Time) Course Title Academic and Professional Development Final Year Project | Credit Attempted 0.0 | Credit | Grade |
| 2024-25 Winter (Fraguery) Awards: HKSA 2024-25 Spring (Fraguery) Course Code COMP1991 COMP4900 COMP4971C COMP5212 COMP6411C | ull-Time) R Government Scholarship Fund - Reachin ull-Time) Course Title Industrial Experience Academic and Professional Development Independent Work Machine Learning Advanced Topics in Multimodal Machine Learning Mathematical Analysis | g Out Award Credit Attempted 0.0 0.0 3.0 3.0 | Credit Earned - - 3.0 3.0 | Grade P PP A+ A+ | Cumulative Trans Awards: HKSA 2025-26 Fall (Full- Course Code COMP4900 COMP4981 TGA: ** CGA: 3.902 Cumulative Credit | fer Credits: 16.0 R Government Scholarship Fund - Rear- Time) Course Title Academic and Professional Development Final Year Project | Credit Attempted 0.0 | Credit | Grade |
| 2024-25 Winter (F o Awards: HKSA | ull-Time) IR Government Scholarship Fund - Reachin ull-Time) Course Title Industrial Experience Academic and Professional Development Independent Work Machine Learning Advanced Topics in Multimodal Machine Learning | Credit Attempted 0.0 0.0 3.0 3.0 3.0 | Credit Earned - - 3.0 3.0 3.0 | Grade P PP A+ A+ | Cumulative Trans Awards: HKSA 2025-26 Fall (Full- Course Code COMP4900 COMP4981 TGA: ** CGA: 3.902 Cumulative Credit | fer Credits: 16.0 R Government Scholarship Fund - Rear- Time) Course Title Academic and Professional Development Final Year Project | Credit Attempted 0.0 | Credit | Grade |

- End of Transcript -

TGA: 4.205 CGA: 3.887