

Student ID: 20413930 HK ID: M566055(1) Date of Birth:

18 Aug 1997

Gender: Male

Transcript of Academic Record

Date of Issue: 5 January 2021

Issue To: ZHAO, Ziqi

Degree Awarded

Degree: Bachelor of Science in Computer Science

Classification: First Class Honors Conferred Date: 20 November 2020

Additional Major: Mathematics (General Mathematics Track)

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Academic Program

Admit Date: 1 September 2016

Program: Bachelor Degree in School of Engineering

Program Change: 2017-18 Fall

Program: Bachelor of Engineering Major: Computer Science

Program Change: 2017-18 Spring
Program: Bachelor of Science
Major: Computer Science

On Exchange: 2018-19 Spring

Ecole Polytechnique Federale de Lausanne

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Academic Records

2016-17 Fall (Full-Time)

Credit Credit **Course Code Course Title** Attempted Earned Grade COMP1022P Introduction to Computing with Java 3.0 B+ ENGG1010 Academic Orientation PP 0.0 HLTH1010 Healthy Lifestyle 0.0 PP HUMA1102 Enjoyment of Classical Music 3.0 3.0 В English for University Studies I 3.0 3.0 В LANG1002S Calculus IB 3.0 A-MATH1013 3.0 PHYS1312 Honors General Physics I 3.0 3.0

TGA: 3.460 CGA: 3.460

Cumulative Credits Earned: 15.0

Courses taken in this term are weighted 0.5 towards the classification of degree honors

2016-17 Spring (Full-Time)

F SCIENCE AND TECHNOLOGY THE I	HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY THE HONG KONG UN SCIENCE AS S TECHNOLOGY THE HONG KONG UNIVERSITY OF SCIENCE AND T	Credit	Credit	E HONG KONG UN
Course Code	Course Title	Attempted	Earned	Grade
COMP2011	Introduction to Object-oriented Programming	ECHNOLOGY THE HONG KE HONG KONG UNIVERSITY	4.0	A+
COMP2711	Discrete Mathematical Tools for Computer Science	ECH 4.0 SY THE HONG KO	4.0	Α
ELEC1100	Introduction to Electro-Robot Design	4.0 Y THE HONG K	4.0	A+
ENGG1010	Academic Orientation	0.0	OF SCIENCE AND TE TETHNOLOGY THE	Р
HLTH1010	Healthy Lifestyle	0.0	ONG UNIVERSITY OF OF SCIENCE AND TE	Р
LANG1003S	English for University Studies II	3.0	3.0	В
MATH1014	HNOLOGY Calculus II INVERSITY OF SCIENCE AND TECHNOLOGY THE	HO 3.0 S UNIVERSITY	3.0	A+

TGA: 4.017 CGA: 3.764

Cumulative Credits Earned: 33.0

Awards: Dean's List

Courses taken in this term are weighted 0.5 towards the classification of degree honors

2016-17 Summer (Full-Time)

		Credit	Credit	
Course Code	Course Title	Attempted	Earned	Grade
COMP1029A	Introduction to Mobile Application Development Using Android	TECH 1.0 SY THE HONG KO HE HOND NOW UNIVERSITY OF UNIVERSITY OF SCIENCE AND	1.0 ERSITY OF	SCPNCE AND TECHNOLOGY THE HONG KONG UN
UROP1100R	Undergraduate Research Opportunities Series 1	TECHNOLOGY THE HONG KO HE HON 1.0 G UNIVERSITY OF UNIVERSITY OF SCIENCE AND	1.0	CHECOSY THE

TGA: ** CGA: 3.764

Cumulative Credits Earned: 35.0

Courses taken in this term are weighted 0.5 towards the classification of degree honors

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2017-18 Fall (Full-Time)

Course Code	THE HOLD REPORT OF SCIENCE AND TECHNOLOGY THE HONG KOIL MAKE THE HONG	Credit Attempted	Credit Earned	Grade
COMP2012	Object-Oriented Programming and Data Structures	4.0 STY OF SCIENCE	4.0	B+
COMP2611	Computer Organization	4.0 STY OF SCIENC	4.0	B+
COMP4900	Academic and Professional Development	O.O GY THE HONG K	GY THE HONG KON ONG UNIVERSITY O E AND TECHNOLOG	PP
ENGG2010	Engineering Seminar Series	0.0 STHEHONG	ONE UNIVERSITY O	PP
MATH2121	Linear Algebra	4.0	4.0	G UA ERSITY OF
MATH2351	Introduction to Differential Equations	3.0	3.0	F SCHOOL AND THE
PHYS1003	Energy and Related Environmental Issues	SC 3.0 AND TECHNOLO TEC 3.0 GY THE HONG K	3.0	G UNERSITY OF F SOUNCE AND THE Y THE HONG KONE

TGA: 3.689 CGA: 3.737

Cumulative Credits Earned: 53.0

Awards: University's Scholarship Scheme for Continuing Undergraduate Students

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2017-18 Winter (Full-Time)

Awards: University's Scholarship Scheme for Continuing Undergraduate Students

2017-18 Spring (Full-Time)

GY THE HONG KONG UNIVERSITY OF	SCIENCE AND TECHNOLOGY THE HONG KONG UNIVERSITY OF SCIENCE	Credit	Credit		
Course Code	Course Title	Attempted	Earned	Grade	
CHEM1004	Chemistry in Everyday Life	AND THE BONG K	3.0	F SA NCE AND TEX	
COMP1991	Industrial Experience	TY OF SC 0.0 AND TECHNOLO	GY THE HONG KON	PP	
COMP3111	Software Engineering	KONG 4.0 STY OF SCIENC	4.0	A+ NG KONG	
COMP4900	Academic and Professional Development	AND TECHNOLOGY THE HONG WE SKONG UNIVERSITY OF SCIENCE	ONE UNIVERSITY OF AND TECHNOLOGY	PP	
ENGG2010	Engineering Seminar Series	AND TEC 0.0 GY THE HONG K	ONE UNIVERSITY O	P	
LANG2030	Technical Communication I	3.0	3.0	S UA-RSITY OF S	
MATH2043	Honors Mathematical Analysis	S KONG 4.0 SITY OF SOIENC	4.0	B- one kone	
MATH2411	Applied Statistics	4.0	4.0	B+	
MATH3343	Combinatorial Analysis HNOLOGY THE HON	S KONG US O SITY OF SCIENC	3 0 HVOLOG	Y TIR HONG KONG	

TGA: 3.490 CGA: 3.665

Cumulative Credits Earned: 74.0

Awards: University's Scholarship Scheme for Continuing Undergraduate Students

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2017-18 Summer (Full-Time)

Credit Credit **Course Code Course Title** Attempted Earned Grade COMP1991 PP Industrial Experience MATH3121 Abstract Algebra 3.0 A+ UROP2100U Undergraduate Research 1.0 1.0 Opportunities Series 2

TGA: 4.300 CGA: 3.691

Cumulative Credits Earned: 78.0

Awards: University's Scholarship Scheme for Continuing Undergraduate Students

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2018-19 Fall (Full-Time)

Course Code	Course Title	Credit Attempted	Credit Earned	Grade
COMP3711H	Honors Design and Analysis of Algorithms	HO 4.0 IS UNIVERSITY OF SCIENCE AND SECONDLOGY THE HONG K	4.0	B+
COMP4421	Image Processing	3.0	3.0	A KONG
COMP4900 EASILY OF SCIENCE OF SCIENCE AND TECHNOLOGY THE HONO	Academic and Professional Development	ec 0.0 THE HONG K	DNG_UNIVERSITY OF DF SCIENCE AND TE D TECHNOLOGY THE	PP
IEDA2010	Industrial Engineering and Modern Logistics	3.0 SUNDERSTOR	3.0	B ON THE
MATH2023	Multivariable Calculus	4.0	4.0	В
MATH2421	Probability Some Consumers of Science And	4.0	4.0	Α
MATH4141	Number Theory and Applications	3.0	3.0	B+
UROP3100V	Undergraduate Research Opportunities Series 3	1.0 S THE HONG KE HON 1.0 S UNIVERSITY OF SILVERSITY OF SCIENCE AND	1.0 E AND TE	SCPNCE AND CHNOLOGY THI HONG KONG U

TGA: 3.433 CGA: 3.634

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Cumulative Credits Earned: 100.0

rds: University's Scholarship Scheme for Continuing Undergraduate Students

HKSAR Government Scholarship Fund - Reaching Out Award

2018-19 Winter (Full-Time)

Awards: University's Scholarship Scheme for Continuing Undergraduate Students

HKSAR Government Scholarship Fund - Reaching Out Award

2018-19 Spring (Full-Time)

Credit Credit Course Code **Course Title** Attempted Earned Grade Transfer Credits from Ecole Polytechnique Federale de Lausanne and equivalent courses of HKUST are COMP3511 Operating Systems Т COMP4211 Machine Learning 3.0 3.0 Т Computer Graphics 3.0 3.0 s∓⊧ COMP4411 **MATH4335** Introduction to Optimization

Cumulative Credits Earned: 100.0 Cumulative Transfer Credits: 12.0

Awards: University's Scholarship Scheme for Continuing Undergraduate Students

HKSAR Government Scholarship Fund - Reaching Out Award

2018-19 Summer (Full-Time)

 Course Code
 Course Title
 Attempted
 Earned
 Grade

 COMP4981H
 Final Year Thesis
 6.0
 PP

TGA: ** CGA: 3.634

Cumulative Credits Earned: 100.0 Cumulative Transfer Credits: 12.0

Awards: University's Scholarship Scheme for Continuing Undergraduate Students

HKSAR Government Scholarship Fund - Reaching Out Award

2019-20 Fall (Full-Time)

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Course Code	Course Title	Attempted	Earned	Grade
COMP4900	Academic and Professional Development	0.0 G UNIVERSITY OF SCIENCE AND CHNOLOGY THE HONG KO	F SCIENCE AND TE TECHNOLOGY THE DNG UNIVERSITY OF	PP
COMP4981H	Final Year Thesis	6.0	F SCIENCE AND TE	PP
LANG4030 LANG4030 LANG TECHNOLOGY THE HONG K	Technical Communication II for CSE & CPEG	3.0 THE HONG KO	3.0	B+
MATH3033	Real Analysis	4.0	4.0	Р
SOSC1840	Government, Law and Society in China	end.0 of science and charge the hong koong university of	3.0	В
SOSC1960	Discovering Mind and Behavior	3.0	3.0	C+

TGA: 2.867 CGA: 3.569

Cumulative Credits Earned: 113.0 Cumulative Transfer Credits: 12.0

Awards: University's Scholarship Scheme for Continuing Undergraduate Students

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2019-20 Winter (Full-Time)

Awards: University's Scholarship Scheme for Continuing Undergraduate Students

2019-20 Spring (Full-Time)

		Credit	Credit	
Course Code	Course Title	Attempted	Earned	Grade
COMP4900	Academic and Professional Development	0.0 UNIVERSITY OF SOLENCE AND	DIG UNIVERSITY OF DF SELIENCE AND TE DTECHNOLOGY THE DNG UNIVERSITY OF	CHPLOGY THE IS HONG WIN
COMP4981H	Final Year Thesis	6.0	6.0	ALOGY THE
COMP5212	CIENCE Machine Learning No UNIVERSITY OF SCIENCE AND TO	3.0 Y THE HONG K	3.0	SCANCE AND TO
HUMA1000B	Cultures and Values: Righteousness, Destiny and Well-being	VE 3.0 OF SCIENCE AND CHINOLOGY THE HONG KO	3.0	HA KONG UNI
HUMA1660	Introduction to Chinese Art	3.0	3.0	HCAS KONG UNI SCIENCE AND TE

TGA: 4.000 CGA: 3.623

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Cumulative Credits Earned: 128.0 Cumulative Transfer Credits: 12.0

Cumulative Credits Counted towards Degree: 128.0

Awards: Dean's List

University's Scholarship Scheme for Continuing Undergraduate Students

- End of Transcript -

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EXPLANATORY NOTES

Academic Transcript and Release of Records

The academic transcript provides the full record of a student's academic results and performance. This record may not be released to any other party without the written consent of the student, in accordance with Personal Data (Privacy) Ordinance established in 1996.

Calendar

The academic year begins on 1 September and ends on 31 August of the following year. There are four terms in each academic year, namely Fall, Winter, Spring and Summer. Fall and Spring are regular terms with thirteen weeks of scheduled classes.

Degree Awarded

The undergraduate programs offered by the University all lead to honors degrees. The University also offers postgraduate programs leading to master degrees, doctoral degrees and graduate diplomas.

Credit Unit

Credit units are earned through the completion of courses and other assessed learning activities. For undergraduate courses, one credit unit generally represents 40 to 50 learning hours. For postgraduate courses, one credit is normally designated for one lecture, one tutorial or three laboratory/field study hours per week.

Grading

Students receive a grade in each course in which they are enrolled. Transfer credits and courses graded HP/P/LP/U/Y, AU, CR, DI, DN, I, IP, P, PA, PP, PS ,T and W are omitted from the calculation of grade point averages.

Letter Grade	Definition for Undergraduate Course	Definition for Postgraduate Course
A+, A, A-	Excellent Performance	Excellent Performance
B+, B	Good Performance	Good Performance
B-	Good Performance	Marginal Performance ^①
C+, C	Satisfactory Performance	Marginal Performance
C-	Satisfactory Performance	_
D	Marginal Pass	_
F	Failure	Failure

Other Grade	Definition
AU	Audited
CR	Credit
DI	Distinction
DN	Distinction
1	Incomplete
IP	In Progress ^②
Р	Pass, Ungraded
PA	Pass, Graded
PP	Permitted to Proceed
PS	Pass, Graded
Т	Transferred
W	Withdrawal without Penalty

HP/P/LP/U/Y Grade (used in Executive Programs)	Definition
HP	High Pass
Р	Pass
LP	Low Pass
U	Unsatisfactory
Υ	Incomplete

- 1) Definition revised from 'Good Performance' from 1999-2000 Fall
- ② Ceased to be used from 1997-98 Fall

Grade Averages

With effect from 2010-11 Spring, the University adopted a 4-point grading system to replace the 12-point system that had been used since 1991-92 in the calculation of grade averages. The following grade averages are calculated:

TGA (Term Grade Average): TGA is calculated across all courses taken in a term.

CGA (Cumulative Grade Average): CGA is calculated for all the courses earning grade points completed since first registration in a program up to the point of calculation.

GGA (Graduation Grade Average): GGA is the student's CGA adjusted by excluding courses from the calculation under established University rules.

MCGA (Major Cumulative Grade Average) is calculated based on the grade points earned for the courses used to fulfill the major requirements and the requirements of the corresponding School or Interdisciplinary Programs Office, where appropriate. For students admitted in 2018-19 academic year or after, the classification of awards is based on a two-tier system of MCGA and overall CGA.

Before 2010-11 Spring, SGA (Semester Grade Average) was used: **SGA** (Semester Grade Average) is the combined grade average covering all courses taken in Fall including the following Winter or Spring including the following Summer.

The following table shows the conversion of 12-point and 4-point grading system:

12-point System (1991-92 Fall to 2010-11 Winter)	Letter	4-point System (effective from 2010-11 Spring)
Course Grade Point	Grade	Course Grade Point
12	A+	4.3
11	Α	4.0
10	A-	3.7
9	B+	3.3
8	В	3.0
7	B-	2.7
6	C+	2.3
5	С	2.0
4	C-	1.7
-	D+	-
2	D	1.0
-	D-	-
0	F	0

Further information about the academic transcript is available at http://transcript.ust.hk. Please email all queries to the Academic Registry of the University at transcript@ust.hk.

The Hong Kong University of Science and Technology issues some official documents in electronic format which are verifiable. The Blockcerts technology is adopted in registering and verifying the electronic documents in the format of a JSON file.

The JSON file and the associated URL are issued to the graduates/students who may pass them to other parties at their discretion. After successful verification of the JSON file at the University official website (https://registry.ust.hk/verify), an authenticated copy of the document can be viewed or downloaded in formats such as PDF or HTML.