

### Transcript of Records as per: 31 October 2023

for Yilei TU (student no. 21-946-520)

This is to certify that Yilei Tu, born on 22 February 1999, has completed the following performance assessments within the Master's Degree Programme in Data Science (regulations of 18 October 2016).

	Sess.	Rep.	Grade	Wgt.	Credits (ECTS)		
					Obt.	Req.	Diff.
<b>Master's Degree Programme in Data Science</b>							
<b>Core Courses and Interdisciplinary Electives</b>					97	120	23
<b>Core Courses</b>					77	72	0
<b>Data Analysis</b>					69	60	0
<b>Information and Learning</b>					20	16	0
252-0535-00 S Advanced Machine Learning	W23		6.00		10		
<b>Statistics</b>					10	8	0
401-3621-00 S Fundamentals of Mathematical Statistics	W22		5.00		10		
<b>Data Management</b>					20	16	0
263-3010-00 S Big Data	W22		4.75		10		
261-5110-00 S Optimization for Data Science	S22		5.00		10		
<b>Core Electives</b>					29	10	0
263-3210-00 S Deep Learning	W22		4.50		8		
252-3005-00 S Natural Language Processing	W23		5.75		7		
263-5210-00 S Probabilistic Artificial Intelligence	W22		5.50		8		
261-5130-00 S Research in Data Science	W23		6.00		6		
<b>Interdisciplinary Electives</b>					8	8	0
401-3936-00 S Data Analytics for Non-Life Insurance Pricing	S23		4.00		4		
401-3629-00 S Quantitative Risk Management	S22		6.00		4		
<b>Data Science Lab</b>					14	14	0
263-3300-00 S Data Science Lab	W23	passed			14		
<b>Seminar</b>					4	2	0
401-3620-22 S Student Seminar in Statistics: Causality	S22	passed			4		
<b>Science in Perspective</b>					2	2	0
851-0884-00 S Japanese 2 (A1.2)	S22		6.00		2		
<b>Master's Thesis</b>					0	30	30



ETH Zurich, 31 October 2023

Director of Studies

Prof. Dr. Zhendong Su

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for Yilei TU (student no. 21-946-520)

Sess.	Rep.	Grade	Wgt.	Credits (ECTS)	Obt.	Req.	Diff.
				5.26			
					4		
MOB-001 Basic German 2; A1 / Sprachenzentrum der UZH und der ETH Zürich	W22	4.50	2				
MOB-002 Basic German 2; A1: Intensive Course / Sprachenzentrum der UZH und der ETH Zürich	W24	5.25	2				
				5.24			

**Grade Point Average (Weight = Credits)****Individual Subjects without Specific Category**

MOB-001 Basic German 2; A1 / Sprachenzentrum der UZH und der ETH Zürich	W22	4.50
MOB-002 Basic German 2; A1: Intensive Course / Sprachenzentrum der UZH und der ETH Zürich	W24	5.25

**Grade Point Average Over All Courses (Weight = Credits)**

ETH Zurich, 31 October 2023

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Each course listed involves a performance assessment (e.g. an oral or written examination, a written report, a presentation). Credits are granted only if a performance assessment or an examination block is graded as passed. An ECTS credit corresponds to a workload of 30 hours. Grading scale: 6 is the highest, 1 is the lowest grade; passmark is 4. Ungraded performance assessments are marked with either passed or failed.

S: semester course; J: 2-semester course; Sess.: Session; W11: Winter 2010/11; S11: Summer 2011; Wgt.: Weight; Obt.: Credits obtained; Req.: minimum credits required in accordance with the regulations; Diff.: Credits still to be obtained; Rep: assessment repeated.

This document contains a digitally imprinted signature. For further information regarding this document please see [www.records.ethz.ch](http://www.records.ethz.ch).



香港中文大學（深圳）  
THE CHINESE UNIVERSITY OF HONG KONG, SHENZHEN  
LONGGANG · SHENZHEN · CHINA • TEL (0086) 0755 8427 3626 · FAX (0086) 0755 8427 3691

學業成績表  
TRANSCRIPT OF ACADEMIC RECORD

Name: TU, Yilei  
Student ID No.: 117010251

Chinese Name: 涂毅磊  
ID/Passport No.: 510704199902220032

Gender: Male  
Date of Birth: 22 Feb 1999

Admitted in: Sep 2017  
College: Shaw College  
School: School of Science and Engineering  
Major/Programme: Statistics  
Stream: Data Science  
Mode of Study: Full-time  
Degree/Diploma: Bachelor of Science with Honours, First Class  
Conferred in: Nov 2020

**2017-18 Term 1**

Course Code	Course Title	Units	Grade	% of A- and above
CHI1000	Chinese	3.0	A-	39.4
CHM1001	General Chemistry	3.0	A	28.3
MAT1001	Calculus I	3.0	A	42.2
PHY1001	Mechanics	3.0	A	29.8
ENG1001	English Bridge Program (EBP)	3.0	B+	21.1
PED1001	PE	1.0	B-	24.7

Units Passed = 16.0      Term GPA = 3.731

**2017-18 Term 2**

Course Code	Course Title	Units	Grade	% of A- and above
CSC1001	Introduction to Computer Science: Programming Methodology	3.0	A	36.1
CSC1002	Computational Laboratory	1.0	A-	20.8
ENG1002	English for Academic Purposes (I)	3.0	B+	28.5
GFN1000	In Dialogue With Nature	3.0	B+	35.1
ITE1000	Information Technology	1.0	A	41.0
MAT1002	Calculus II	3.0	A	28.3
PED1002	Fitness and Health	1.0	B	28.0
STA2001	Probability and Statistics I	3.0	A	34.2

Units Passed = 18.0      Term GPA = 3.694

Honour(s)/Award(s): Dean's List 2017-18

**2017-18 Summer Session**

Course Code	Course Title	Units	Grade	% of A- and above
MAT2040	Linear Algebra	3.0	A	29.9

Units Passed = 3.0      Term GPA = 4.000

**2018-19 Term 1**

Course Code	Course Title	Units	Grade	% of A- and above
CSC3001	Discrete Mathematics	3.0	A	34.3
ERG2050	Introduction to Data Analytics	3.0	A-	42.0

Invalid unless impressed with the Seal of the University

The maximum GPA attainable is 4.000

Issue Date: 21 Oct 2020

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Date of Birth: 22 Feb 1999

2018-19 Term 1

ERG3010	Data and Knowledge Management	3.0	W	29.5
GEB2310	Chemistry in Life	3.0	A-	36.7
STA2002	Probability and Statistics II	3.0	A	30.6
STA3020	Statistical Inference	3.0	A	38.7
STA3050	Statistics Software	2.0	A	29.2
ENG2001	English for Academic Purposes II	3.0	B+	30.0

Units Passed = 20.0 Term GPA = 3.805

2018-19 Term 2

Course Code	Course Title	Units	Grade	% of A- and above
GFH1000	In Dialogue With Humanity	3.0	B+	35.2
BIO2001	General Biology	3.0	A	29.9
CSC3002	Introduction to Computer Science: Programming Paradigms	3.0	A-	35.2
STA3010	Regression Analysis	3.0	A-	31.4
ERG3020	Web Analytics and Intelligence	3.0	A-	32.7
ENG2002S	English for Science & Engineering Communication	3.0	A-	27.4
STA3100	Advanced Statistics	3.0	A-	28.6

Units Passed = 21.0 Term GPA = 3.686

Honour(s)/Award(s): Dean's List 2018-19

2019-20 Term 1

Course Code	Course Title	Units	Grade	% of A- and above
MAT3007	Optimization	3.0	A	31.5
CSC3100	Data Structures	3.0	A-	30.7
STA4001	Stochastic Processes	3.0	A-	31.7
STA4020	Statistical Modelling in Financial Markets	3.0	A-	30.0
STA4030	Categorical Data Analysis	3.0	A	35.8
ERG3010	Data and Knowledge Management	3.0	A	34.0
ERG2080	Independent Study	2.0	B+	84.6

Units Passed = 20.0 Term GPA = 3.795

2019-20 Term 2

Course Code	Course Title	Units	Grade	% of A- and above
GEA2000	Modern Chinese History and Culture	3.0	P	N/A
MAT2002	Ordinary Differential Equations	3.0	A	36.8
CSC4008	Techniques for Data Mining	3.0	A	38.5
STA4003	Time Series	3.0	A-	35.6

Units Passed = 12.0 Term GPA = 3.900

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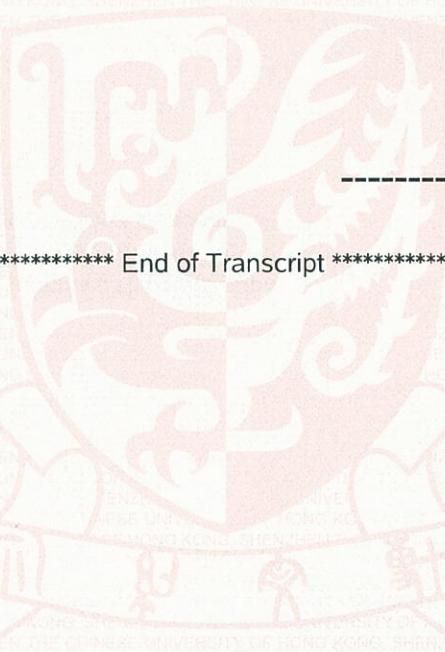
\*\*\*\*\* Summary \*\*\*\*\*

	Total Units Passed	Cumulative GPA	Major GPA
CUHK(SZ)	110.0	3.764/4.000	3.847/4.000
Unit Exemption	12.0	-	-

Remarks:

12.0 units of course(s) taken at another university recognized as equivalent.

Major GPA is the grade point average across a list of Major courses defined by the School Board, as being most relevant to the student's Major.

  
Director of Registry Services

\*\*\*\*\* End of Transcript \*\*\*\*\*



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The maximum GPA attainable is 4.000

Issue Date: 21 Oct 2020

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## Explanatory Notes for Undergraduate Programmes

### Grading System

#### Degree of BA, BBA, BEng, BSc:

Grade and Standard		Sub-divisions	Converted Points
A	Excellent	A	4.0
A-	Very good	A-	3.7
B	Good	B+ B B-	3.3 3.0 2.7
C	Fair	C+ C C-	2.3 2.0 1.7
D	Pass	D+ D	1.3 1.0
F	Failure	F	0.0

#### Other designations in grading

I	Incomplete
IP	In progress
NR	Not yet graded
P	Ungraded pass
U	Failure
W	Withdrawn

} For specified courses adopting a pass/fail grading basis where other grades are not applicable, results counted towards the total number of units gained by a student but not counted in the calculation of the GPA.

### Degree Classification

#### Degree of BA, BBA, BEng, BSc:

First Class Honours  
 Second Class Honours Upper Division  
 Second Class Honours Lower Division  
 Third Class Honours  
 Pass

### Course Code and Sequence

The first three letters of the course code indicate the subject (e.g. BIO stands for Biology). Normally, full-time undergraduate courses are coded 1000 to 4999.

### Total Course Load and Period of Study

Full-time undergraduate students are required to complete 120 units of courses in 4 years. Unit requirements and study periods may also differ for students admitted on advanced standing.

### Credit Transfer

Credits accepted for transfer from other institutions are shown as number of units recognized but not included in GPA calculations.

Office of the Registrar  
128 Sproul Hall #5404  
Berkeley, CA 94720-5404



*University of California, Berkeley*

This verification is printed on security paper with  
the seal of UC Berkeley and the signature of the  
University Registrar. A raised seal is not required.

*Walter Wong*  
Walter Wong, University Registrar

Name: Tu, Yilei  
Birthdate: 02/22/1999

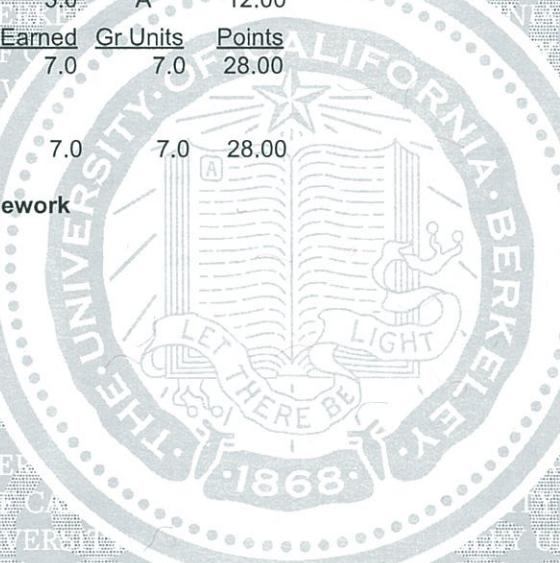
### Beginning of Undergraduate Coursework

2019 Summer

Program: Undergrad Non-Degree/NonFinAid  
Major: Undeclared Summer Session Visitor

Course	CALIFORNIA	Title	RECEIVED	Attn	Earned	Grade	Points
COMPSCI	189	INTRO MACHINE LEARN	2019	4.0	4.0	A	16.00
STAT	155	GAME THEORY	2019	3.0	3.0	A	12.00
Term GPA	4.000	Term Totals		7.0	7.0	7.0	28.00
Undergraduate Career Totals							
Cum GPA	4.000	Cum Totals		7.0	7.0	7.0	28.00

### End of UC Berkeley Undergraduate Coursework



# TRANSCRIPT INFORMATION

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Office of the Registrar  
University of California  
Berkeley, California 94720-5404

## History

The University of California was created by an Act of the State Legislature in 1868, and classes have been given at Berkeley since 1873.

## Units of Credit

Until September 1966, credits were recorded as semester units (hours). From September 1966 through summer 1983 credits were recorded as quarter units (hours). Beginning with the fall term, 1983, credits are recorded as semester units (hours). Quarter system requires 180 units for bachelor's degree. Semester system, 120.

## Transfer Credit

Only credit that is accepted by the University is indicated on the transcripts of Berkeley students. Individual courses are not shown.

Examinations and credits accepted are indicated on the transcript in the same manner as transfer credit.

## Course Numbering System

1 - 99 - Lower division courses  
100 - 199 - Upper division courses  
200 - 299 - Graduate courses  
300 - 499 - Professional courses for teachers or prospective teachers  
600 - 602 - Special Study

045175

## Grades of Scholarship

### Grades

The work of all students on the Berkeley campus is reported in terms of the following grades:

- A - Excellent
- B - Good
- C - Fair
- D - Barely Passed
- F - Failure
- P - Passed at a minimum level of C-
- NP - Not Passed
- S - Satisfactory or passed at a minimum level of B-
- U - Unsatisfactory
- I - Work incomplete, due to circumstances beyond the student's control, but of passing quality
- IP - Work in progress; final grade to be assigned upon completion of entire course sequence
- M - Temporary administrative grade; not included in grade point computation

The grades A, B, C, and D may be modified by plus (+) or minus (-) suffixes.

### Grade Points

Grade points per unit are assigned as follows:  
A=4, B=3, C=2, D=1, and F=none. When attached to the grades A, B, C, and D, plus (+) grades carry three-tenths of a grade point more per unit, and minus (-) grades carry three-tenths of a grade point less per unit than unsuffixed grades, except for A+, which carries 4.0 grade points per unit as does an A.

Courses graded P, NP, S, U, I, IP, or M are not used in computing the grade point average.

## Academic Standing

### Good Standing

*Undergraduate:* C average

*Graduate:* B average or better on all work attempted at any UC campus after a bachelor's degree.

## Academic Probation

Undergraduate students are placed on academic probation if at the end of any term their cumulative grade point average is less than 2.0 (C average) computed on the total of all courses undertaken in the University. However, in the Colleges of Chemistry and Engineering, probation is determined on a term basis.

## Credit Codes

Credit codes may determine the calculation of credit or annotate a course entry as follows:

### Current Records System

Fall 1995 to Present

*Note:* An "I" assigned as of Fall 1973 to present is not included in grade point computation.

### Pass/Fail Courses

PN - Course offered only on Pass/Not Pass basis

EPN - Undergraduate grading option Passed/Not Passed

ESU - Graduate grading option Satisfactory/Unsatisfactory

SUS - Graduate courses offered only on Satisfactory/Unsatisfactory basis

PN, EPN, ESU, SUS courses are not included in units

ATTM (attempted) or units PSSD (passed), but are included in CREDITS COMPLETED.

### Prefixes

C - Cross-listed

H - Honors

N - Summer course

R - Reading & Composition

W - On-line

## Previous Record Systems

Prior to Fall 1975

*Note:* An "I" assigned prior to Fall 1973 is included in grade point computation as an F grade.