

NAME: ZHU, BAITING  
UCLA ID: 205381263  
BIRTHDATE: 03/01/XXXX

UNIVERSITY OF CALIFORNIA, LOS ANGELES  
UNDERGRADUATE ACADEMIC TRANSCRIPT

PAGE 1 OF 2

PROGRAM OF STUDY

ADMIT DATE: 09/23/2019  
COLLEGE OF LETTERS AND SCIENCE  
MAJOR: MATHEMATICS OF COMPUTATION  
MINOR: STATISTICS

DEGREES | CERTIFICATES AWARDED

BACHELOR OF SCIENCE AWARDED MARCH 24, 2023  
IN MATHEMATICS OF COMPUTATION  
WITH MINOR IN STATISTICS  
CUM LAUDE

SECONDARY SCHOOL

WESTTOWN SCHOOL, JUNE 2019

UNIVERSITY REQUIREMENTS

ENTRY LEVEL WRITING SATISFIED  
AMERICAN HISTORY & INSTITUTIONS SATISFIED

CALIFORNIA RESIDENCE STATUS: NONRESIDENT

TRANSFER CREDIT

ADVANCED PLACEMENT 1 TERM TO 10/2019 PSD 28.0

FALL QUARTER 2019

MAJOR: PREMATHEMATICS

|                     |           |          |          |                    |
|---------------------|-----------|----------|----------|--------------------|
| ENGL COMP-RHET&LANG | ENGCOMP 3 | 5.0      | 20.0     | A                  |
| CALC OF SEVRL VAR   | MATH 32A  | 4.0      | 14.8     | A-                 |
| LINEAR ALGBRA&APPLS | MATH 33A  | 4.0      | 16.0     | A                  |
| PROGRAMMING WITH R  | STATS 20  | 4.0      | 14.8     | A-                 |
| DEAN'S HONORS LIST  |           |          |          |                    |
| TERM TOTAL          |           | ATM 17.0 | PSD 17.0 | PTS 65.6 GPA 3.859 |

WINTER QUARTER 2020

|                     |             |          |          |                    |
|---------------------|-------------|----------|----------|--------------------|
| INTR TO PROGRAMMING | COMPTNG 10A | 5.0      | 20.0     | A                  |
| PRIN OF ECONOMICS   | ECON 2      | 4.0      | 16.0     | A                  |
| CALC OF SEVRL VAR   | MATH 32B    | 4.0      | 16.0     | A                  |
| DIFFERNTL EQUATIONS | MATH 33B    | 4.0      | 16.0     | A                  |
| INTRO-RUSSIAN FILM  | RUSSN 31    | 5.0      | 20.0     | A+                 |
| DEAN'S HONORS LIST  |             |          |          |                    |
| TERM TOTAL          |             | ATM 22.0 | PSD 22.0 | PTS 88.0 GPA 4.000 |

SPRING QUARTER 2020

MAJOR: PREFINANCIAL ACTUARIAL MATHEMATICS

|  |             |          |          |                    |
|--|-------------|----------|----------|--------------------|
| INTRMDT PROGRAMMING  | COMPTNG 10B | 5.0      | 20.0     | A                  |
| INTRO-PROBABILITY  | MATH 170E   | 4.0      | 16.0     | A                  |
| DISCRETE STRUCTURES  | MATH 61     | 4.0      | 16.0     | A                  |
| ACCOUNTING PRINCPLS  | MGMT 1A     | 4.0      | 16.0     | A                  |
| INT DATA ANALY REGR  | STATS 101A  | 4.0      | 14.8     | A-                 |
| DUE TO THE COVID-19 PANDEMIC, PASSED/<br>NOT PASSED GRADING PERMITTED FOR MANY<br>CLASSES AND DEGREE REQUIREMENTS. |             |          |          |                    |
| DEAN'S HONORS LIST   |             |          |          |                    |
| TERM TOTAL   |             | ATM 21.0 | PSD 21.0 | PTS 82.8 GPA 3.943 |

SUMMER SESSIONS 2020

MAJOR: APPLIED MATHEMATICS

|  |            |          |          |                    |
|--|------------|----------|----------|--------------------|
| CHEMICAL STRUCTURE   | CHEM 20A   | 4.0      | 16.0     | A                  |
| LINEAR ALGEBRA   | MATH 115A  | 5.0      | 16.5     | B+                 |
| INTRO-SCAN LIT&CLTR  | SCAND 50W  | 5.0      | 20.0     | A+                 |
| WRITING INTENSIVE  |            |          |          |                    |
| INTRO-STAT REASON  | STATS 10   | 5.0      | 20.0     | A+                 |
| DSGN&ANLY-EXPERIMNT  | STATS 101B | 4.0      | 16.0     | A                  |
| DUE TO THE COVID-19 PANDEMIC, PASSED/<br>NOT PASSED GRADING PERMITTED FOR MANY<br>CLASSES AND DEGREE REQUIREMENTS. |            |          |          |                    |
| TERM TOTAL   |            | ATM 23.0 | PSD 23.0 | PTS 88.5 GPA 3.848 |

FALL QUARTER 2020

|  |             |          |          |                    |
|--|-------------|----------|----------|--------------------|
| PYTHON-APPLICATNS I  | COMPTNG 16A | 5.0      | 18.5     | A-                 |
| MATH MTHD-DATA THRY  | MATH 118    | 4.0      | 16.0     | A                  |
| APPLD NUMRCL MTHDS   | MATH 151A   | 4.0      | 16.0     | A                  |
| INTRO TO STATISTICS  | MATH 170S   | 4.0      | 16.0     | A                  |
| INT REGR DATA MINNG  | STATS 101C  | 4.0      | 16.0     | A+                 |
| DUE TO THE COVID-19 PANDEMIC, PASSED/<br>NOT PASSED GRADING PERMITTED FOR MANY<br>CLASSES AND DEGREE REQUIREMENTS. |             |          |          |                    |
| DEAN'S HONORS LIST   |             |          |          |                    |
| TERM TOTAL   |             | ATM 21.0 | PSD 21.0 | PTS 82.5 GPA 3.929 |

WINTER QUARTER 2021

|  |            |          |          |                    |
|--|------------|----------|----------|--------------------|
| ANALYSIS   | MATH 131A  | 4.0      | 16.0     | A                  |
| APPLD NUMRCL MTHDS   | MATH 151B  | 4.0      | 16.0     | A                  |
| LINEAR MODELS  | STATS 100C | 4.0      | 16.0     | A                  |
| PROBABIL DEC MAKING  | STATS 115  | 4.0      | 16.0     | A                  |
| DUE TO THE COVID-19 PANDEMIC, PASSED/<br>NOT PASSED GRADING PERMITTED FOR MANY<br>CLASSES AND DEGREE REQUIREMENTS. |            |          |          |                    |
| DEAN'S HONORS LIST   |            |          |          |                    |
| TERM TOTAL   |            | ATM 16.0 | PSD 16.0 | PTS 64.0 GPA 4.000 |

SPRING QUARTER 2021

|  |            |          |          |                    |
|--|------------|----------|----------|--------------------|
| CHINESE CIVILIZATN   | CHIN 50    | 5.0      | 20.0     | A                  |
| OPTIMIZATION   | MATH 164   | 4.0      | 16.0     | A+                 |
| OSCILTNS&WAVES&FLDS  | PHYSICS 1B | 5.0      | 20.0     | A                  |
| DUE TO THE COVID-19 PANDEMIC, PASSED/<br>NOT PASSED GRADING PERMITTED FOR MANY<br>CLASSES AND DEGREE REQUIREMENTS. |            |          |          |                    |
| DEAN'S HONORS LIST   |            |          |          |                    |
| TERM TOTAL   |            | ATM 14.0 | PSD 14.0 | PTS 56.0 GPA 4.000 |

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*Frank Y. Wada*  
University Registrar

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UNIVERSITY OF CALIFORNIA, LOS ANGELES  
UNDERGRADUATE ACADEMIC TRANSCRIPT

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SUMMER SESSIONS 2021

|  |          |     |      |      |       |
|--|----------|-----|------|------|-------|
| INTR-STUDY-LANGUAGE  | LING 1   | 5.0 | 20.0 | A+   |       |
| CMPLX ANLY-APLICNTS  | MATH 132 | 4.0 | 16.0 | A    |       |
| DUE TO THE COVID-19 PANDEMIC, PASSED/<br>NOT PASSED GRADING PERMITTED FOR MANY<br>CLASSES AND DEGREE REQUIREMENTS. |          |     |      |      |       |
|  |          | ATM | PSD  | PTS  | GPA   |
| TERM TOTAL   |          | 9.0 | 9.0  | 36.0 | 4.000 |

FALL QUARTER 2021

MAJOR: MATHEMATICS OF COMPUTATION

|  |             |            |            |            |            |
|--|-------------|------------|------------|------------|------------|
| ADVNCED PROGRAMMING  | COMPTNG 10C | 5.0        | 18.5       | A-         |            |
| CULTURAL GEOGRAPHY   | GEOG 3      | 5.0        | 0.0        | P          |            |
| MACHINE LEARNING   | MATH 156    | 4.0        | 16.0       | A          |            |
| PATTERN RECOGNITION  | STATS M231A | 4.0        | 16.0       | A          |            |
| DUE TO THE COVID-19 PANDEMIC, PASSED/<br>NOT PASSED GRADING PERMITTED FOR MANY<br>CLASSES AND DEGREE REQUIREMENTS. |             |            |            |            |            |
| DEAN'S HONORS LIST   |             |            |            |            |            |
|  |             | <u>ATM</u> | <u>PSD</u> | <u>PTS</u> | <u>GPA</u> |
|  | TERM TOTAL  | 18.0       | 18.0       | 50.5       | 3.885      |

WINTER QUARTER 2022

|  |             |      |      |      |       |
|--|-------------|------|------|------|-------|
| GENERATIVE MODELS  | COM SCI 269 | 4.0  | 16.0 | A    |       |
| ALGORITHMS   | MATH 182    | 4.0  | 16.0 | A    |       |
| METHD-MACHINE LEARN  | STATS 231B  | 4.0  | 16.0 | A    |       |
| DUE TO THE COVID-19 PANDEMIC, PASSED/<br>NOT PASSED GRADING PERMITTED FOR MANY<br>CLASSES AND DEGREE REQUIREMENTS. |             |      |      |      |       |
| DEAN'S HONORS LIST   |             |      |      |      |       |
|  |             | ATM  | PSD  | PTS  | GPA   |
| TERM TOTAL   |             | 12.0 | 12.0 | 48.0 | 4.000 |

SPRING QUARTER 2022

|  |             |            |            |            |            |
|--|-------------|------------|------------|------------|------------|
| DATA MGMT SYSTEMS  | COM SCI 143 | 4.0        | 14.8       | A-         |            |
| ARTIFICL INTELLIGNC  | COM SCI 161 | 4.0        | 14.8       | A-         |            |
| GRAF NEURAL NETWRKS  | COM SCI 249 | 4.0        | 16.0       | A          |            |
| DUE TO THE COVID-19 PANDEMIC, PASSED/<br>NOT PASSED GRADING PERMITTED FOR MANY<br>CLASSES AND DEGREE REQUIREMENTS. |             |            |            |            |            |
| DEAN'S HONORS LIST   |             |            |            |            |            |
|  |             | <u>ATM</u> | <u>PSD</u> | <u>PTS</u> | <u>GPA</u> |
| TERM TOTAL   |             | 12.0       | 12.0       | 45.6       | 3.800      |

SUMMER SESSIONS 2022

|  |            |            |            |            |            |
|--|------------|------------|------------|------------|------------|
| MONTE CARLO METHODS  | STATS 102C | 4.0        | 16.0       | A          |            |
| DUE TO THE COVID-19 PANDEMIC, PASSED/<br>NOT PASSED GRADING PERMITTED FOR MANY<br>CLASSES AND DEGREE REQUIREMENTS. |            |            |            |            |            |
|  |            | <u>ATM</u> | <u>PSD</u> | <u>PTS</u> | <u>GPA</u> |
| TERM TOTAL   |            | 4.0        | 4.0        | 16.0       | 4.000      |

FALL QUARTER 2022

|  |             |            |            |            |            |
|--|-------------|------------|------------|------------|------------|
| POP CLTR-CHIN SCTYS  | CHIN 40     | 5.0        | 20.0       | A          |            |
| DIRECTED RESEARCH  | COM SCI 199 | 8.0        | 32.0       | A+         |            |
| STOCHASTC PROCESSES  | MATH 171    | 4.0        | 16.0       | A          |            |
| 12/23/2022 GRADE CHANGED   |             |            |            |            |            |
| DUE TO THE COVID-19 PANDEMIC, PASSED/<br>NOT PASSED GRADING PERMITTED FOR MANY<br>CLASSES AND DEGREE REQUIREMENTS. |             |            |            |            |            |
| DEAN'S HONORS LIST   |             |            |            |            |            |
|  |             | <u>ATM</u> | <u>PSD</u> | <u>PTS</u> | <u>GPA</u> |
|  | TERM TOTAL  | 17.0       | 17.0       | 68.0       | 4.000      |

WINTER QUARTER 2023

|                     |              |            |            |            |            |
|---------------------|--------------|------------|------------|------------|------------|
| DEEP LRN COMP VSN   | COM SCI 188  | 4.0        | 16.0       | A          |            |
| CONVEX OPTIMIZATION | EC ENGR 236B | 4.0        | 13.2       | B+         |            |
| GEOG INFO SYSTEMS   | GEOG 7       | 5.0        | 0.0        | P          |            |
|                     |              | <u>ATM</u> | <u>PSD</u> | <u>PTS</u> | <u>GPA</u> |
| TERM TOTAL          |              | 13.0       | 13.0       | 29.2       | 3.650      |

UNDERGRADUATE TOTALS

|                                       |       |       |       |       |
|---------------------------------------|-------|-------|-------|-------|
|                                       | ATM   | PSD   | PTS   | GPA   |
| PASS/NO PASS TOTAL                    | 10.0  | 10.0  | N/A   | N/A   |
| GRADED TOTAL                          | 209.0 | 209.0 | N/A   | N/A   |
| CUMULATIVE TOTAL                      | 219.0 | 219.0 | 820.7 | 3.927 |
| TOTAL NON-UC TRANSFER CREDIT ACCEPTED | 28.0  |       |       |       |
| TOTAL COMPLETED UNITS                 | 247.0 |       |       |       |

END OF RECORD  
NO ENTRIES BELOW THIS LINE

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The following information is offered to aid in evaluating this student's academic record. The *UCLA General Catalog* contains more detailed information concerning courses and degree requirements. The catalog can be found on the Internet at <http://www.registrar.ucla.edu/catalog/>.

**DEGREE REQUIREMENTS.** A minimum of 180 quarter units (120 semester units) is required for the bachelor's degree.

**CREDITS.** Beginning September 1966, credits are quarter units; prior to that time, credits were semester units. In 1957, UCLA switched from a 3.0 to a 4.0 point grading system.

**COURSE NUMBERS.** Lower division courses are numbered 1-99; upper division, 100-199; graduate, 200-299; teacher training, 300-399; professional graduate, 400-499; and individual study and research graduate, 500-599.

DEFINITION OF LETTER GRADES AND APPLICABLE GRADE POINTS

| UNDER-GRADUATES | GRADE     |              | GRADUATES   |
|-----------------|-----------|--------------|---|
|                 | A+        | GRADE POINTS |   |
| Extraordinary   | 4.0       |              | Superior achievement  |
| Superior        |           | A<br>4.0     | Superior achievement  |
| Good            | B+<br>3.3 | B<br>3.0     | Satisfactorily demonstrated potentiality for professorial achievement in field of study |
| Fair            | C+<br>2.3 | C<br>2.0     |   |
| Poor            | D+<br>1.3 | D<br>1.0     | Not applicable for graduates  |
| Fail            |           | F<br>0.0     | Fail  |

DEFINITION OF OTHER GRADES

| GRADE | DEFINITION        | COMMENTS   |
|-------|-------------------|--|
| DR    | Deferred Report   | Not included in units attempted                                  |
| I     | Incomplete        | Satisfactory work but incomplete-not included in units attempted |
| P     | In Progress       | Multiple-term course-not included in units attempted             |
| IP    | Internal Grade    | Grade pending-not included in units attempted                    |
| L     | Late Registration | Grade pending-not included in units attempted                    |
| NP    | Not Passed        | Undergraduates only  |
| NR    | No Report         | Grade pending-not included in units attempted                    |
| P     | Passed            | Achievement of grade C or better (undergraduates)                |
| R     | Retroactive Add   | Grade pending-not included in units attempted                    |
| S     | Satisfactory      | Achievement of grade B or better (graduates)                     |
| U     | Unsatisfactory    | Graduates only   |

**GRADE-POINT AVERAGE (GPA) CALCULATION.** The GPA is calculated by dividing grade points by graded units attempted. To convert quarter units to semester units, multiply by .666; to convert semester units to quarter units, multiply by 1.5.

**REPETITION OF COURSES.** A student may repeat only those courses for which a grade of C-, D+, D, D-, F, NP, or U is recorded, unless otherwise noted in the *UCLA General Catalog*.

EXPLANATION OF CODES

| CODE       | TYPE          | COMMENTS  |
|------------|---------------|---|
| G          | Grading basis | Mandatory letter grade  |
| GO         | Repeat        | Full credit   |
| GP         | Repeat        | Course P/NP, no credit  |
| G1         | Repeat        | Units attempted and grade points only                           |
| G5         | Repeat        | Unapproved repeat, no credit                                    |
| JD         | Repeat        | Removed I, repeated; units passed only                          |
| JL         | Incomplete    | Lapsed I  |
| JM         | Credit        | No credit awarded   |
| J1         | Incomplete    | Removed I, grade points allowed                                 |
| J3         | Incomplete    | Removed I, repeated grade points allowed                        |
| J4         | Repeat        | Lapsed or removed I, repeated                                   |
| K1         | Credit        | Credit by examination   |
| L1         | Credit        | Deduction for duplication of credit                             |
| L2         | Credit        | Deduction for duplication of advanced placement                 |
| L3         | Credit        | Deduction for duplication of advanced standing                  |
| MG         | Credit        | No credit for work under dismissal- repeated course             |
| MR         | Credit        | No credit for work under dismissal-subsequently repeated        |
| MS         | Miscellaneous | Refer to memoranda  |
| M1, MP     | Credit        | No credit for work under dismissal                              |
| M3         | Credit        | Credit granted via petition                                     |
| N1         | Miscellaneous | Grade corrected by instructor-clerical or procedural error      |
| PG         | Repeat        | Repeat of P/NP, unit credit                                     |
| PJ, SJ     | Repeat        | Removed I on P/NP, S/U  |
| PL, SL     | Incomplete    | Lapsed I on P/NP, S/U   |
| PN         | Grading basis | P or NP or I grade  |
| PT, ST     | Multiple term | Final unit total of a multiple-term course (P, NP, S, U, I)     |
| Q5         | Miscellaneous | Retroactive add   |
| Q8         | Miscellaneous | Retroactive section change                                      |
| RD         | Repeat        | Excluded from GPA, units passed only                            |
| RF         | Repeat        | Excluded from GPA, no credit                                    |
| SU         | Grading basis | S or U or I grade   |
| TP, TS     | Multiple term | First term(s) of a multiple-term course (P, NP, S, U)-no credit |
| T1, T2     | Multiple term | First term, second term of multiple-term course-no credit       |
| T3, T4     | Multiple term | Third term, fourth term of multiple-term course-no credit       |
| 2T, 3T, 4T | Multiple term | Final unit total for all terms of multiple-term course          |

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