

| UBC Credentials   |          |              |  |         |              |              |      |               |               |                |    |
|---|----------|--------------|--|---------|--------------|--------------|------|---------------|---------------|----------------|----|
| Master of Arts<br>In Economics<br>Granted: November 18, 2015  |          |              |  |         |              |              |      |               |               |                |    |
| Transfer Credits  |          |              |  |         |              |              |      |               |               |                |    |
| None to date  |          |              |  |         |              |              |      |               |               |                |    |
| Winter Session 2014 - 2015                                    |          |              |  |         |              |              |      |               |               |                |    |
| Master of Arts (UBC Vancouver)                                |          |              |  |         |              |              |      |               |               |                |    |
| Term  | Course   | Credit Value | Course Title                                       | % Grade | Letter Grade | Credit Rec'd | Stdg | Withdraw Date | Complete Date | Class Size Avg |    |
| 1   | ECON 500 | (3.0)        | Microeconomics                                     | 88      | A            | 3.0          |      |               |               | 61             | 76 |
| 1   | ECON 502 | (3.0)        | Macroeconomics                                     | 93      | A+           | 3.0          |      |               |               | 55             | 83 |
| 1   | ECON 526 | (3.0)        | Mathematics for Economics                          | 97      | A+           | 3.0          |      |               |               | 51             | 82 |
| 1   | ECON 527 | (3.0)        | Econometric Methods of Economic Research           | 97      | A+           | 3.0          |      |               |               | 58             | 82 |
| 2   | ECON 556 | (3.0)        | International Finance                              | 86      | A            | 3.0          |      |               |               | 23             | 81 |
| 2   | ECON 562 | (3.0)        | Research Design and Policy Evaluation in Economics | 75      | B            | 3.0          |      |               |               | 26             | 81 |
| 2   | ECON 566 | (3.0)        | Business Performance and Public Policy             | 80      | A-           | 3.0          |      |               |               | 23             | 82 |
| 2   | ECON 580 | (3.0)        | Social and Economic Measurement                    | 86      | A            | 3.0          |      |               |               | 16             | 88 |
| UBC Academic Awards   |          |              |  |         |              |              |      |               |               |                |    |
| Faculty of Arts Graduate Award                                |          |              |  |         |              |              |      |               |               |                |    |
| Summer Session 2015   |          |              |  |         |              |              |      |               |               |                |    |
| Master of Arts (UBC Vancouver)                                |          |              |  |         |              |              |      |               |               |                |    |
| Term  | Course   | Credit Value | Course Title                                       | % Grade | Letter Grade | Credit Rec'd | Stdg | Withdraw Date | Complete Date | Class Size Avg |    |
| 1-2   | ECON 594 | (6.0)        | Applied Economics                                  | 86      | A            | 6.0          |      |               |               | 24             | 87 |
| 1-2   | ECON 595 | (0.0)        | Major Essay  |         |              |              | P    |               |               |                |    |
| Winter Session 2015 - 2016                                    |          |              |  |         |              |              |      |               |               |                |    |
| Doctor of Philosophy (UBC Vancouver)                          |          |              |  |         |              |              |      |               |               |                |    |
| Term  | Course   | Credit Value | Course Title                                       | % Grade | Letter Grade | Credit Rec'd | Stdg | Withdraw Date | Complete Date | Class Size Avg |    |
| 1   | ECON 600 | (3.0)        | Microeconomics I                                   | 96      | A+           | 3.0          |      |               |               | 20             | 88 |
| 1   | ECON 602 | (3.0)        | Macroeconomics I                                   | 87      | A            | 3.0          |      |               |               | 14             | 85 |
| 1   | ECON 626 | (3.0)        | Econometric Theory I                               | 92      | A+           | 3.0          |      |               |               | 20             | 83 |
| 2   | ECON 601 | (3.0)        | Microeconomics II                                  | 86      | A            | 3.0          |      |               |               | 19             | 82 |
| 2   | ECON 603 | (3.0)        | Macroeconomics II                                  | 92      | A+           | 3.0          |      |               |               | 13             | 87 |
| 2   | ECON 627 | (3.0)        | Econometric Theory II                              | 88      | A            | 3.0          |      |               |               | 22             | 88 |
| UBC Academic Awards   |          |              |  |         |              |              |      |               |               |                |    |
| Faculty of Arts Graduate Award                                |          |              |  |         |              |              |      |               |               |                |    |
| Summer Session 2016   |          |              |  |         |              |              |      |               |               |                |    |
| Doctor of Philosophy (UBC Vancouver), Registration Continuing |          |              |  |         |              |              |      |               |               |                |    |
| Winter Session 2016 - 2017                                    |          |              |  |         |              |              |      |               |               |                |    |
| Doctor of Philosophy (UBC Vancouver)                          |          |              |  |         |              |              |      |               |               |                |    |

# TRANSCRIPT OF ACADEMIC RECORD

**Surname:**  
Hao

**Given Names:**  
Yu

**Student Number:**  
80842140

**Date of Birth:**  
March 14

**Date Printed:**  
October 26, 2020

| Winter Session 2016 - 2017 continued...   |           |              |   |         |              |              |      |               |               |                |
|---|-----------|--------------|---|---------|--------------|--------------|------|---------------|---------------|----------------|
| Term  | Course    | Credit Value | Course Title                                  | % Grade | Letter Grade | Credit Rec'd | Stdg | Withdraw Date | Complete Date | Class Size Avg |
| 1   | ECON 565  | (3.0)        | Market Structure and Business Behaviour       | 95      | A+           | 3.0          |      |               |               | 7 95           |
| 1   | ECON 628  | (3.0)        | Topics in Applied Econometrics I              | 94      | A+           | 3.0          |      |               |               | 14 91          |
| 1   | MATH 507  | (3.0)        | Measure Theory and Integration                |         |              |              | AUD  |               |               |                |
| 1   | MATH 544  | (3.0)        | Probability I                                 | 78      | B+           | 3.0          |      |               |               | 6 88           |
| 2   | CPSC 540  | (3.0)        | MACHINE LEARNING                              |         |              |              | AUD  |               |               |                |
| 2   | ECON 514  | (3.0)        | Information and Incentives                    | 87      | A            | 3.0          |      |               |               | 12 80          |
| 2   | ECON 567  | (3.0)        | Organization Theory and Non-market Allocation | 87      | A            | 3.0          |      |               |               | 17 87          |
| 2   | MATH 604D | (3.0)        | Topics in Optimization                        | 90      | A+           | 3.0          |      |               |               |                |
| UBC Academic Awards   |           |              |   |         |              |              |      |               |               |                |
| Faculty of Arts Graduate Award  |           |              |   |         |              |              |      |               |               |                |
| Summer Session 2017   |           |              |   |         |              |              |      |               |               |                |
| Doctor of Philosophy (UBC Vancouver), Registration Continuing   |           |              |   |         |              |              |      |               |               |                |
| UBC Academic Awards   |           |              |   |         |              |              |      |               |               |                |
| St John's College Itoko Muraoka Fellowship  |           |              |   |         |              |              |      |               |               |                |
| Winter Session 2017 - 2018  |           |              |   |         |              |              |      |               |               |                |
| Doctor of Philosophy (UBC Vancouver)  |           |              |   |         |              |              |      |               |               |                |
| Term  | Course    | Credit Value | Course Title                                  | % Grade | Letter Grade | Credit Rec'd | Stdg | Withdraw Date | Complete Date | Class Size Avg |
| 1-2   | ECON 640  | (3.0)        | Ph.D. Research Seminar                        | 91      | A+           | 3.0          |      |               |               | 11 91          |
| 1-2   | ECON 690C | (6.0)        | Workshops in Economics                        |         |              | 6.0          | P    |               |               |                |
| 2   | ECON 629C | (3.0)        | Topics in Applied Econometrics II             |         |              |              | AUD  |               |               |                |
| Summer Session 2018   |           |              |   |         |              |              |      |               |               |                |
| Doctor of Philosophy (UBC Vancouver), Registration Continuing   |           |              |   |         |              |              |      |               |               |                |
| Winter Session 2018 - 2019  |           |              |   |         |              |              |      |               |               |                |
| Doctor of Philosophy (UBC Vancouver)  |           |              |   |         |              |              |      |               |               |                |
| Term  | Course    | Credit Value | Course Title                                  | % Grade | Letter Grade | Credit Rec'd | Stdg | Withdraw Date | Complete Date | Class Size Avg |
| 1   | ECON 640  | (3.0)        | Ph.D. Research Seminar                        | 92      | A+           | 3.0          |      |               |               | 7 92           |
| 1-2   | ECON 690C | (6.0)        | Workshops in Economics                        |         |              | 6.0          | P    |               |               |                |
| Admitted to Candidacy on October 16, 2018   |           |              |   |         |              |              |      |               |               |                |
| Summer Session 2019   |           |              |   |         |              |              |      |               |               |                |
| Doctor of Philosophy (UBC Vancouver)  |           |              |   |         |              |              |      |               |               |                |
| Term  | Course    | Credit Value | Course Title                                  | % Grade | Letter Grade | Credit Rec'd | Stdg | Withdraw Date | Complete Date | Class Size Avg |
| 1-2   | ECON 699  | (0.0)        | Doctoral Dissertation                         |         |              |              | T    |               |               |                |
| Winter Session 2019 - 2020  |           |              |   |         |              |              |      |               |               |                |
| As of 16 March 2020, the COVID-19 pandemic disrupted regular academic activities. Modes of instruction and assessment were shifted to on-line activities mid-term, including changes to exam practices and weighting in some cases. Deadlines to withdraw or change to Credit/D/Fail or Pass/Fail grading were extended by some programs. |           |              |   |         |              |              |      |               |               |                |
| Doctor of Philosophy (UBC Vancouver)  |           |              |   |         |              |              |      |               |               |                |
| Term  | Course    | Credit Value | Course Title                                  | % Grade | Letter Grade | Credit Rec'd | Stdg | Withdraw Date | Complete Date | Class Size Avg |
| 1-2   | ECON 690C | (6.0)        | Workshops in Economics                        |         |              | 6.0          | P    |               |               |                |
| 1-2   | ECON 699  | (0.0)        | Doctoral Dissertation                         |         |              |              |      |               |               |                |
| UBC Academic Awards   |           |              |   |         |              |              |      |               |               |                |
| Graduate Fellowship in Gambling Research  |           |              |   |         |              |              |      |               |               |                |
| Summer Session 2020   |           |              |   |         |              |              |      |               |               |                |
| Doctor of Philosophy (UBC Vancouver)  |           |              |   |         |              |              |      |               |               |                |
| Term  | Course    | Credit Value | Course Title                                  | % Grade | Letter Grade | Credit Rec'd | Stdg | Withdraw Date | Complete Date | Class Size Avg |
| 1-2   | ECON 699  | (0.0)        | Doctoral Dissertation                         |         |              |              |      |               |               |                |

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**Surname:**  
Hao

**Given Names:**  
Yu

**Student Number:**  
80842140

**Date of Birth:**  
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| Winter Session 2020 - 2021           |           |              |                        |         |              |              |      |               |               |                |
|--------------------------------------|-----------|--------------|------------------------|---------|--------------|--------------|------|---------------|---------------|----------------|
| Doctor of Philosophy (UBC Vancouver) |           |              |                        |         |              |              |      |               |               |                |
| Term                                 | Course    | Credit Value | Course Title           | % Grade | Letter Grade | Credit Rec'd | Stdg | Withdraw Date | Complete Date | Class Size Avg |
| 1-2                                  | ECON 690C | (6.0)        | Workshops in Economics |         |              |              | CIP  |               |               |                |
| 1-2                                  | ECON 699  | (0.0)        | Doctoral Dissertation  |         |              |              | CIP  |               |               |                |

\*\*\*\*\* End of Record \*\*\*\*\*