

# TRANSCRIPT OF ACADEMIC RECORD

**Surname:**  
Song

**Given Names:**  
Yilun

**Student Number:**  
10026110

**Date of Birth:**  
February 8

**Date Printed:**  
June 05, 2017

**Issued To:**  
Song, Yilun  
3209 Renfrew St  
Vancouver  
Canada V5M3L2

  
**REGISTRAR**

Note: Transcript valid only if bearing the registrar's signature. This transcript is printed on secure paper on a blue background.

## UBC Credentials

Bachelor of Applied Science  
In Computer Engineering, Software Option  
Co-operative Education Program  
WITH DISTINCTION  
Granted: May 17, 2017

## Transfer Credits

None to date

## Winter Session 2011 - 2012

### Bachelor of Applied Science (UBC Vancouver) - Year 1

| Term | Course   | Credit Value | Course Title   | % Grade | Letter Grade | Credit Rec'd | Stdg | Withdraw Date | Complete Date | Class Size | Avg |
|------|----------|--------------|--|---------|--------------|--------------|------|---------------|---------------|------------|-----|
| 1    | APSC 160 | (3.0)        | Introduction to Computation in Engineering Design                        | 86      | A            | 3.0          |      |               |               | 221        | 72  |
| 1    | CHEM 154 | (3.0)        | CHEM FOR ENGINEER  |         |              |              | W    | 2011/10/14    |               |            |     |
| 1    | MATH 180 | (4.0)        | Differential Calculus with Physical Applications                         | 77      | B+           | 4.0          |      |               |               | 104        | 56  |
| 1    | PHYS 170 | (3.0)        | Mechanics I  | 91      | A+           | 3.0          |      |               |               | 135        | 73  |
| 1-2  | PHYS 153 | (6.0)        | Elements of Physics  | 85      | A            | 6.0          |      |               |               | 233        | 65  |
| 2    | APSC 122 | (0.0)        | Introduction to Engineering  |         |              |              | P    |               |               |            |     |
| 2    | APSC 150 | (5.0)        | Engineering Case Studies   | 78      | B+           | 5.0          |      |               |               | 158        | 72  |
| 2    | ECON 101 | (3.0)        | PRIN MICRO ECON  | 93      | A+           | 3.0          |      |               |               | 220        | 68  |
| 2    | MATH 101 | (3.0)        | Integral Calculus with Applications to Physical Sciences and Engineering | 84      | A-           | 3.0          |      |               |               | 119        | 66  |
| 2    | MATH 152 | (3.0)        | Linear Systems   | 90      | A+           | 3.0          |      |               |               | 209        | 65  |

Dean's Honour List

## Winter Session 2012 - 2013

### Bachelor of Applied Science (UBC Vancouver) - Year 2

| Term | Course   | Credit Value | Course Title   | % Grade | Letter Grade | Credit Rec'd | Stdg | Withdraw Date | Complete Date | Class Size | Avg |
|------|----------|--------------|--|---------|--------------|--------------|------|---------------|---------------|------------|-----|
| 1    | EECE 251 | (3.0)        | Circuit Analysis I   | 97      | A+           | 3.0          |      |               |               | 157        | 79  |
| 1    | EECE 259 | (4.0)        | Introduction to Microcomputers                               | 90      | A+           | 4.0          |      |               |               | 161        | 75  |
| 1    | EECE 280 | (4.0)        | Electrical and Computer Engineering Laboratory I             | 79      | B+           | 4.0          |      |               |               | 75         | 79  |
| 1    | ENGL 112 | (3.0)        | Strategies for University Writing                            | 74      | B            | 3.0          |      |               |               | 33         | 72  |
| 1    | MATH 253 | (3.0)        | Multivariable Calculus                                       | 81      | A-           | 3.0          |      |               |               | 210        | 68  |
| 1    | MATH 265 | (2.0)        | Linear Differential Equations                                | 88      | A            | 2.0          |      |               |               | 160        | 67  |
| 2    | CPSC 259 | (2.0)        | Data Structures and Algorithms for Electrical Engineers      | 94      | A+           | 2.0          |      |               |               | 196        | 75  |
| 2    | EECE 253 | (4.0)        | Circuit Analysis II  | 93      | A+           | 4.0          |      |               |               | 142        | 64  |
| 2    | EECE 261 | (2.0)        | Engineering Electromagnetics                                 | 77      | B+           | 2.0          |      |               |               | 88         | 61  |
| 2    | EECE 281 | (4.0)        | Electrical and Computer Engineering Laboratory II            | 80      | A-           | 4.0          |      |               |               | 62         | 83  |
| 2    | MATH 264 | (1.0)        | Vector Calculus for Electrical Engineering                   | 77      | B+           | 1.0          |      |               |               | 88         | 62  |
| 2    | MATH 267 | (3.0)        | Mathematical Methods for Electrical and Computer Engineering | 89      | A            | 3.0          |      |               |               | 139        | 63  |

Dean's Honour List

## Summer Session 2013

### Bachelor of Applied Science (UBC Vancouver) - Year 2

| Term | Course   | Credit Value | Course Title            | % Grade | Letter Grade | Credit Rec'd | Stdg | Withdraw Date | Complete Date | Class Size | Avg |
|------|----------|--------------|-------------------------|---------|--------------|--------------|------|---------------|---------------|------------|-----|
| 1    | APSC 201 | (3.0)        | Technical Communication | 66      | C+           | 3.0          |      |               |               | 35         | 65  |
| 1    | EECE 353 | (3.0)        | Digital Systems Design  | 86      | A            | 3.0          |      |               |               | 58         | 70  |



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## Summer Session 2013 continued...

| Term | Course   | Credit Value | Course Title                | % Grade | Letter Grade | Credit Rec'd | Stdg | Withdraw Date | Complete Date | Class Size | Avg |
|------|----------|--------------|-----------------------------|---------|--------------|--------------|------|---------------|---------------|------------|-----|
| 1-2  | APSC 110 | (6.0)        | Co-operative Work Placement |         |              |              |      | 2013/06/10    |               |            |     |

## Winter Session 2013 - 2014

### Bachelor of Applied Science (UBC Vancouver) - Year 3

| Term | Course   | Credit Value | Course Title                         | % Grade | Letter Grade | Credit Rec'd | Stdg | Withdraw Date | Complete Date | Class Size | Avg |
|------|----------|--------------|--------------------------------------|---------|--------------|--------------|------|---------------|---------------|------------|-----|
| 1    | APSC 261 | (3.0)        | Technology and Society I             | 83      | A-           | 3.0          |      |               |               | 125        | 80  |
| 1    | CHEM 154 | (3.0)        | Chemistry for Engineering            | 87      | A            | 3.0          |      |               |               | 302        | 72  |
| 1    | EECE 309 | (4.0)        | Principles of Software Design        | 100     | A+           | 4.0          |      |               |               | 143        | 81  |
| 1    | EECE 320 | (4.0)        | Discrete Structures and Algorithms   | 71      | B-           | 4.0          |      |               |               | 147        | 73  |
| 1    | STAT 251 | (3.0)        | Elementary Statistics                | 95      | A+           | 3.0          |      |               |               | 214        | 72  |
| 2    | CPSC 261 | (4.0)        | Basics of Computer Systems           | 86      | A            | 4.0          |      |               |               | 113        | 69  |
| 2    | CPSC 310 | (4.0)        | Introduction to Software Engineering | 75      | B            | 4.0          |      |               |               | 138        | 75  |
| 2    | EECE 315 | (4.0)        | Operating Systems                    | 93      | A+           | 4.0          |      |               |               | 39         | 71  |
| 2    | EECE 381 | (6.0)        | Computer Systems Design Studio       | 80      | A-           | 6.0          |      |               |               | 80         | 83  |

Dean's Honour List

## Summer Session 2014

### Bachelor of Applied Science (UBC Vancouver) - Year 3

| Term | Course   | Credit Value | Course Title                | % Grade | Letter Grade | Credit Rec'd | Stdg | Withdraw Date | Complete Date | Class Size | Avg |
|------|----------|--------------|-----------------------------|---------|--------------|--------------|------|---------------|---------------|------------|-----|
| 1-2  | APSC 110 | (6.0)        | Co-operative Work Placement |         |              | 6.0          | P    |               |               |            |     |

## Winter Session 2014 - 2015

### Bachelor of Applied Science (UBC Vancouver) - Year 4

| Term | Course   | Credit Value | Course Title                | % Grade | Letter Grade | Credit Rec'd | Stdg | Withdraw Date | Complete Date | Class Size | Avg |
|------|----------|--------------|-----------------------------|---------|--------------|--------------|------|---------------|---------------|------------|-----|
| 1    | APSC 210 | (6.0)        | Co-operative Work Placement |         |              | 6.0          | P    |               |               |            |     |
| 2    | APSC 310 | (6.0)        | Co-operative Work Placement |         |              | 6.0          | P    |               |               |            |     |

## Summer Session 2015

### Bachelor of Applied Science (UBC Vancouver) - Year 4

| Term | Course   | Credit Value | Course Title                | % Grade | Letter Grade | Credit Rec'd | Stdg | Withdraw Date | Complete Date | Class Size | Avg |
|------|----------|--------------|-----------------------------|---------|--------------|--------------|------|---------------|---------------|------------|-----|
| 1-2  | APSC 410 | (6.0)        | Co-operative Work Placement |         |              | 6.0          | P    |               |               |            |     |

## Winter Session 2015 - 2016

### Bachelor of Applied Science (UBC Vancouver) - Year 4

| Term | Course   | Credit Value | Course Title                              | % Grade | Letter Grade | Credit Rec'd | Stdg | Withdraw Date | Complete Date | Class Size | Avg |
|------|----------|--------------|---|---------|--------------|--------------|------|---------------|---------------|------------|-----|
| 1    | APSC 411 | (6.0)        | Co-operative Work Placement               |         |              | 6.0          | P    |               |               |            |     |
| 2    | APSC 450 | (2.0)        | Professional Engineering Practice         | 72      | B            | 2.0          |      |               |               | 252        | 81  |
| 2    | CPEN 481 | (3.0)        | Economic Analysis of Engineering Projects | 87      | A            | 3.0          |      |               |               | 33         | 76  |
| 2    | CPSC 304 | (3.0)        | Introduction to Relational Databases      | 88      | A            | 3.0          |      |               |               | 158        | 79  |
| 2    | CPSC 322 | (3.0)        | Introduction to Artificial Intelligence   | 80      | A-           | 3.0          |      |               |               | 116        | 74  |
| 2    | ECON 102 | (3.0)        | Principles of Macroeconomics              | 91      | A+           | 3.0          |      |               |               | 230        | 69  |

## Winter Session 2016 - 2017

### Bachelor of Applied Science (UBC Vancouver) - Year 4

| Term | Course    | Credit Value | Course Title                                    | % Grade | Letter Grade | Credit Rec'd | Stdg | Withdraw Date | Complete Date | Class Size | Avg |
|------|-----------|--------------|---|---------|--------------|--------------|------|---------------|---------------|------------|-----|
| 1    | CPEN 400A | (4.0)        | BLDG MDRN WEBAPP                                | 90      | A+           | 4.0          |      |               |               | 63         | 79  |
| 1    | CPEN 422  | (4.0)        | Software Testing and Analysis                   | 85      | A            | 4.0          |      |               |               | 79         | 80  |
| 1    | CPEN 499A | (3.0)        | Undergraduate Thesis                            | 86      | A            | 3.0          |      |               |               |            |     |
| 1-2  | CPEN 492  | (10.0)       | Software Engineering Capstone Design Project    | 91      | A+           | 10.0         |      |               |               | 36         | 85  |
| 2    | CPEN 421  | (4.0)        | Software Project Management                     | 86      | A            | 4.0          |      |               |               | 82         | 76  |
| 2    | CPEN 441  | (4.0)        | Human Computer Interfaces in Engineering Design | 83      | A-           | 4.0          |      |               |               | 24         | 72  |

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