



Record of **Hoang Tung Lai**

Student ID: 007866318

Level: Undergraduate

Date of Birth: January 02

Winnipeg, Manitoba, Canada

**OFFICIAL TRANSCRIPT**

Issued To: **Hoang Tung Lai** Date Issued: **January 24, 2022**

Faculty of **Engineering**

Program: **Engineering-Mechanical**

Major: **Mechanical Engineering**

Sought: **B. Sc. (M.E.) February 1, 2022**

**TRANSFER CREDIT**

Fall 2018

Program: **Engineering-Mechanical**

| Institution Name                | Credit Hours |
|---------------------------------|--------------|
| International Coll. of Manitoba | 33.00        |

**INSTITUTION CREDIT**

Fall 2018

Engineering-Mechanical

Major: **Mechanical Engineering**

| Course    | Title  | Campus | Credit Hours | Grade Mode | Grade | Grade Comment | Quality Points | Repeat |
|-----------|--|--------|--------------|------------|-------|---------------|----------------|--------|
| COMP 1020 | Introductory Computer Science 2                      |        | 3.00         |            | A-    |               | 13.50          |        |
| ECON 1010 | Introduction to Microeconomic Principles             |        | 3.00         |            | A     |               | 12.00          |        |
| ENG 1460  | Introduction to Thermal Sciences                     |        | 3.00         |            | A+    |               | 13.50          |        |
| MATH 2130 | Engineering Mathematical Analysis 1                  |        | 3.00         |            | A+    |               | 13.50          |        |
| MECH 2112 | Fundamentals of Mechanical and Computer Aided Design |        | 5.00         |            | A     |               | 20.00          |        |

| Term      | Earned Hours | GPA Hours | GPA  |
|-----------|--------------|-----------|------|
| Fall 2018 | 17.00        | 17.00     | 4.26 |

Faculty Minimum Met, Dean's Honour List

Winter 2019

Engineering-Mechanical

Major: **Mechanical Engineering**

| Course    | Title  | Campus | Credit Hours | Grade Mode | Grade | Grade Comment | Quality Points | Repeat |
|-----------|--|--------|--------------|------------|-------|---------------|----------------|--------|
| ENG 2040  | Engineering Communication: Strategies, Practice and Design |        | 3.00         |            | B     |               | 9.00           |        |
| MATH 2132 | Engineering Mathematical Analysis 2                        |        | 3.00         |            | A+    |               | 13.50          |        |
| MECH 2150 | Mechanical Engineering Modelling and Numerical Methods     |        | 4.00         |            | A+    |               | 18.00          |        |
| MECH 2222 | Mechanics of Materials                                     |        | 4.00         |            | A+    |               | 18.00          |        |
| MECH 2262 | Fundamentals of Fluid Mechanics                            |        | 4.00         |            | A     |               | 16.00          |        |

| Term        | Earned Hours | GPA Hours | GPA  |
|-------------|--------------|-----------|------|
| Winter 2019 | 18.00        | 18.00     | 4.14 |

Faculty Minimum Met, Dean's Honour List

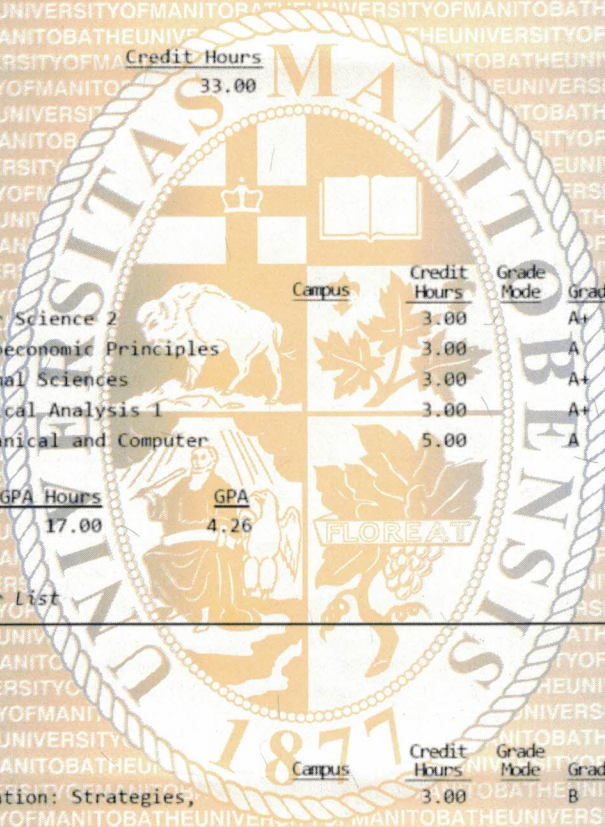
Summer 2019

Engineering-Mechanical

Major: **Mechanical Engineering**

Minor: **Computer Science**

| Course    | Title                                   | Campus | Credit Hours | Grade Mode | Grade | Grade Comment | Quality Points | Repeat |
|-----------|---|--------|--------------|------------|-------|---------------|----------------|--------|
| CHEM 1310 | University 1 Chemistry: An Introduction |        | 3.00         |            | A     |               | 12.00          |        |





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|           |   |      |    |       |
|-----------|---|------|----|-------|
| COMP 2140 | to Physical Chemistry<br>Data Structures and Algorithms | 3.00 | A  | 12.00 |
| ENG 3000  | Engineering Economics                                   | 3.00 | A+ | 13.50 |
| MATH 3132 | Engineering Mathematical Analysis                       | 3.00 | A  | 12.00 |

|                     |                  |            |
|---------------------|------------------|------------|
| <b>Earned Hours</b> | <b>GPA Hours</b> | <b>GPA</b> |
| Term GPA: 12.00     | 12.00            | 4.13       |

Faculty Minimum Met/Dean's Honour List

Engineering-Mechanical  
Major: Mechanical Engineering  
Minor: Computer Science

| Course    | Title                              | Campus | Credit Hours | Grade Mode | Grade | Comment | Quality Points | Repeat |
|-----------|------------------------------------|--------|--------------|------------|-------|---------|----------------|--------|
| ENG 3020  | Technology, Society and the Future |        | 3.00         |            | B     |         | 9.00           |        |
| MECH 3482 | Kinematics and Dynamics            |        | 4.00         |            | A+    |         | 18.00          |        |
| MECH 3492 | Fluid Mechanics and Applications   |        | 4.00         |            | A     |         | 16.00          |        |
| MECH 3502 | Stress Analysis and Design         |        | 4.00         |            | A     |         | 16.00          |        |

|                     |                  |            |
|---------------------|------------------|------------|
| <b>Earned Hours</b> | <b>GPA Hours</b> | <b>GPA</b> |
| Term GPA: 15.00     | 15.00            | 3.93       |

Faculty Minimum Met/Dean's Honour List

Winter 2020  
Engineering-Mechanical  
Major: Mechanical Engineering  
Minor: Computer Science

*Due to the possible impact of the COVID-19 pandemic on academic performance, students in Winter 2020 were given the option to retain their original grade, exclude their grade from GPA calculations (grades marked with an \*), convert their letter grade to Pass (P\*) or Voluntarily Withdraw (VW) from the course. For students in Law, all courses were graded as Pass/Fail.*

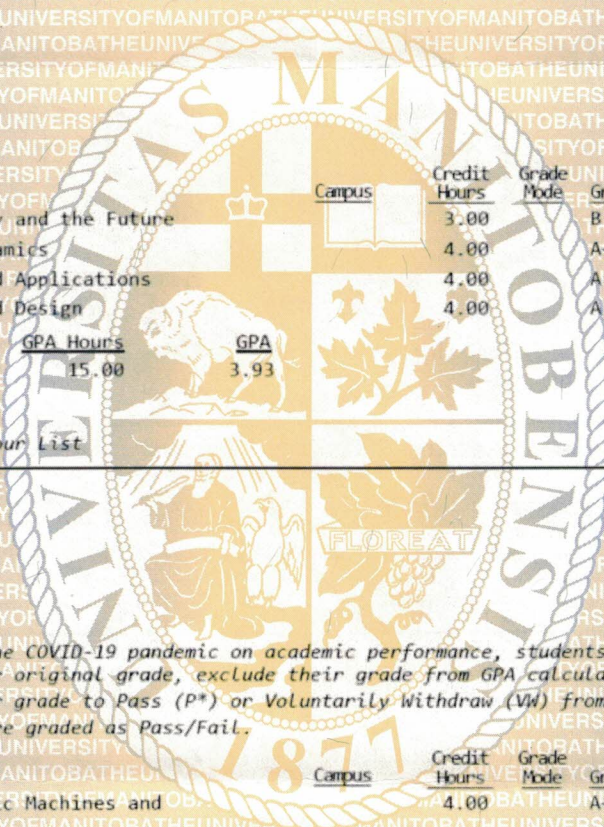
| Course    | Title   | Campus | Credit Hours | Grade Mode | Grade | Comment | Quality Points | Repeat |
|-----------|---|--------|--------------|------------|-------|---------|----------------|--------|
| ECE 3010  | Elements of Electric Machines and Digital Systems |        | 4.00         |            | A+    |         | 18.00          |        |
| MECH 2202 | Thermodynamics                                    |        | 4.00         |            | A     |         | 16.00          |        |
| MECH 2272 | Engineering Materials 1                           |        | 4.00         |            | A+    |         | 18.00          |        |
| MECH 3420 | Vibrations and Acoustics                          |        | 4.00         |            | A+    |         | 18.00          |        |
| MECH 3430 | Measurements and Control                          |        | 4.00         |            | A+    |         | 18.00          |        |

|                     |                  |            |
|---------------------|------------------|------------|
| <b>Earned Hours</b> | <b>GPA Hours</b> | <b>GPA</b> |
| Term GPA: 20.00     | 20.00            | 4.40       |

Faculty Minimum Met/Dean's Honour List

Fall 2020  
Engineering-Mechanical  
Major: Mechanical Engineering  
Minor: Computer Science

*Due to the possible impact of the COVID-19 pandemic on academic performance, students were given the option to exclude a single grade from GPA calculations (grades marked with an \*) in each of Fall Term 2020 and Winter Term 2021.*





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| Course              | Title                                      | Campus | Credit Hours     | Grade Mode | Grade | Grade Comment | Quality Points | Repeat |
|---------------------|--|--------|------------------|------------|-------|---------------|----------------|--------|
| MECH 3460           | Heat Transfer                              |        | 4.00             |            | A+    |               | 18.00          |        |
| MECH 3520           | Aerodynamics                               |        | 4.00             |            | A     |               | 16.00          |        |
| MECH 3652           | Machine Design                             |        | 4.00             |            | A     |               | 16.00          |        |
| MECH 3982           | Mechanical Laboratories in Solid Mechanics |        | 2.00             |            | B+    |               | 7.00           |        |
| <b>Earned Hours</b> |  |        | <b>GPA Hours</b> | <b>GPA</b> |       |               |                |        |
| Term GPA:           |  |        | 14.00            | 14.00      | 4.07  |               |                |        |

Faculty Minimum Met, Dean's Honour List

Winter 2021

Engineering-Mechanical

Major: Mechanical Engineering

*Due to the possible impact of the COVID-19 pandemic on academic performance, students were given the option to exclude a single grade from GPA calculations (grades marked with an \*) in each of Fall Term 2020 and Winter Term 2021.*

| Course              | Title  | Campus | Credit Hours     | Grade Mode | Grade | Grade Comment | Quality Points | Repeat |
|---------------------|--|--------|------------------|------------|-------|---------------|----------------|--------|
| MECH 3170           | Project Management   |        | 4.00             |            | A     |               | 16.00          |        |
| MECH 3542           | Engineering Materials 2  |        | 4.00             |            | A+    |               | 18.00          |        |
| MECH 3992           | Mechanical Laboratories in Thermofluids                        |        | 2.00             |            | A     |               | 8.00           |        |
| MECH 4182           | Aerospace Structures: Analysis and Design                      |        | 4.00             |            | A+    |               | 18.00          |        |
| MECH 4310           | Fluid Power Systems: Operation, Circuit Design and Application |        | 4.00             |            | A     |               | 16.00          |        |
| <b>Earned Hours</b> |  |        | <b>GPA Hours</b> | <b>GPA</b> |       |               |                |        |
| Term GPA:           |  |        | 18.00            | 18.00      | 4.22  |               |                |        |

Faculty Minimum Met, Dean's Honour List

Summer 2021

Engineering-Mechanical

Major: Mechanical Engineering

| Course              | Title                               | Campus | Credit Hours     | Grade Mode | Grade | Grade Comment | Quality Points | Repeat |
|---------------------|-------------------------------------|--------|------------------|------------|-------|---------------|----------------|--------|
| ENG 4800            | Co-operative Work 1                 |        | 1.00             |            | PASS  |               | 0.00           |        |
| PHYS 1070           | Physics 2: Waves and Modern Physics |        | 3.00             |            | A+    |               | 13.50          |        |
| <b>Earned Hours</b> |                                     |        | <b>GPA Hours</b> | <b>GPA</b> |       |               |                |        |
| Term GPA:           |                                     |        | 4.00             | 3.00       | 4.50  |               |                |        |

Faculty Minimum Met

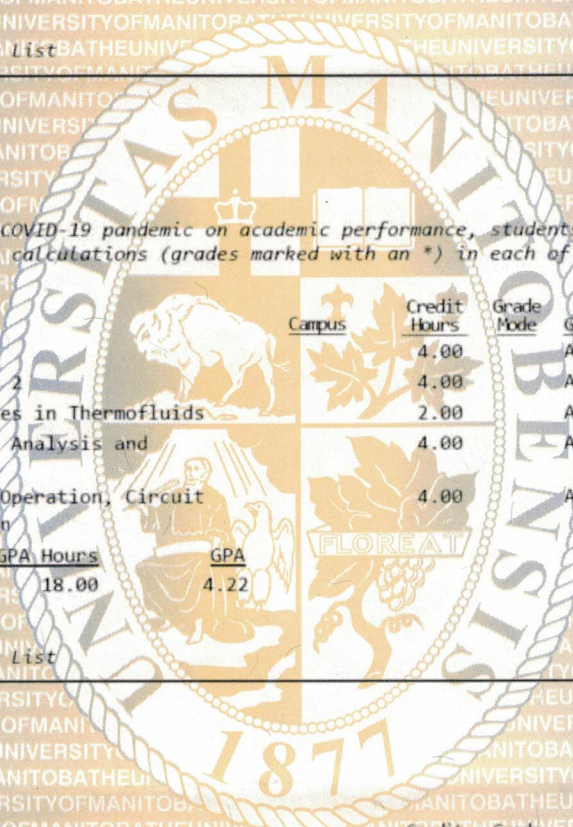
Fall 2021

Engineering-Mechanical

Major: Mechanical Engineering

*A 35-day faculty strike resulted in the disruption of some courses and no reduction in the total number of instructional days.*

| Course    | Title                                    | Campus | Credit Hours | Grade Mode | Grade | Grade Comment | Quality Points | Repeat |
|-----------|--|--------|--------------|------------|-------|---------------|----------------|--------|
| MECH 4342 | Precision Control of Multi-Axis Machines |        | 4.00         |            | A+    |               | 18.00          |        |
| MECH 4482 | Applied Aerospace Instrumentation        |        | 4.00         |            | B+    |               | 14.00          |        |





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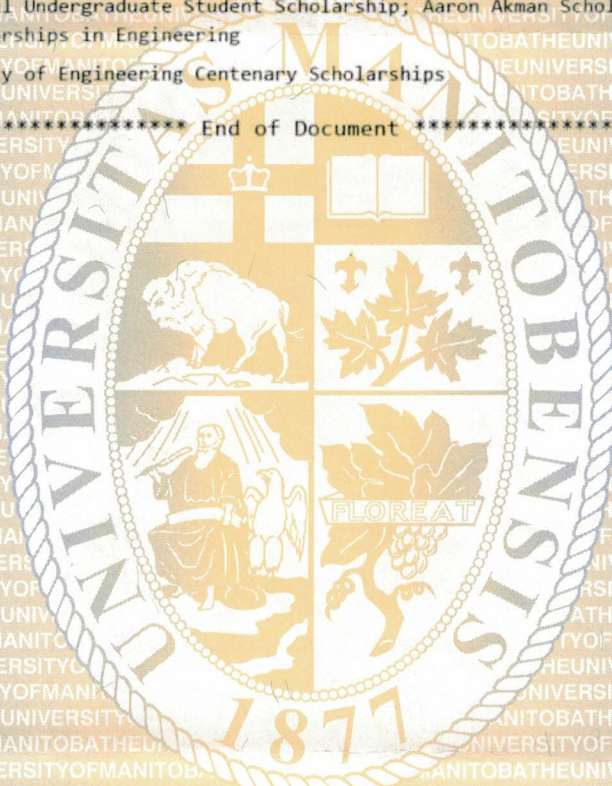
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|                     |                                       |                  |            |       |
|---------------------|---------------------------------------|------------------|------------|-------|
| MECH 4800           | Engineering Design                    | 5.00             | B          | 17.00 |
| STAT 2220           | Contemporary Statistics for Engineers | 3.00             | A          | 12.00 |
| <b>Earned Hours</b> |                                       | <b>GPA Hours</b> | <b>GPA</b> |       |
| Term GPA            | 16.00                                 | 16.00            | 3.84       |       |

**AWARDS HISTORY**

- 2019/2020 Aid Year** University of Manitoba Undergraduate Research Awards; International Undergraduate Student Scholarship; Price Scholarships in Engineering
- 2020/2021 Aid Year** International Undergraduate Student Scholarship; Aaron Akman Scholarship in Engineering; Price Scholarships in Engineering
- 2021/2022 Aid Year** Price Faculty of Engineering Centenary Scholarships

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- 1) It is printed on Blue/Beige security paper
- 2) No evidence of alteration is apparent
- 3) It bears the crest of the University of Manitoba in the centre of the page.

*Jeff Adams*

Jeff Adams, University Registrar and Executive Director of Enrolment Services