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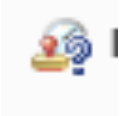
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UNIVERSITY OF ALBERTA
OFFICE OF THE REGISTRAR

**Adam Robertson**
**Interim Vice-Provost and University Registrar**

**Date of Issue: 22-Oct-2026**

**Student Name:** **Mennatullah Mohammed Saeed Abdallah Siam**
**(Surname last)**
**ID Number:** **1461961**
**Month and Day of Birth:** **January 16**

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**Degrees**

Confer Date: November 19, 2021
Degree: Doctor of Philosophy
Department of Computing Science
In the Name of: Mennatullah Siam

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**Awards**

May 01, 2019 Awarded Verna Tate Graduate Scholarship in Science

September 01, 2019 Awarded Alberta Graduate Excellence Scholarship

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September, 2015: Admitted to the Faculty of Graduate Studies and Research, Doctor of Philosophy program, Computing Science.

**Fall Term 2015** **Doctor of Philosophy (Thes)**
**Computing Science**

| Course | | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|---|---|---|---|---|---|---|---|---|
| CMPUT | 501 | TOPICS IN COMPUTING SCIENCE<br>Graduate Numerical Methods I | A | 3.0 | 3.0 | 12.00 | 3.8 | 5 |
| CMPUT | 551 | TOPICS ARTIFICIAL INTELLIGENCE<br>Introduction to Machine Learning | A+ | 3.0 | 3.0 | 12.00 | 3.7 | 45 |
| CMPUT | 603 | TEACHING & RESEARCH METHODS | CR | 3.0 | 3.0 | 0.00 | XXX | 44 |
| | | | TOTALS | 9.0 | 9.0 | 24.00 | | |

**Winter Term 2016** **Doctor of Philosophy (Thes)**
**Computing Science**

| Course | | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|---|---|---|---|---|---|---|---|---|
| CMPUT | 615 | IMAGE PROCESS AND VISION<br>Computer Vision | A+ | 3.0 | 3.0 | 12.00 | 4.0 | 4 |
| CMPUT | 617 | TOPICS IN COMPUTING SCIENCE<br>Visual Recognition Using Convolutional Nets | A+ | 3.0 | 3.0 | 12.00 | 3.7 | 17 |
| THES | 903 | THESIS RESEARCH | IN | 0.0 | 0.0 | 0.00 | XXX | 151 |

| Course | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|---|---|---|---|---|---|---|---|
| | | TOTALS | 6.0 | 6.0 | 24.00 | | |

GPA: 48.00 grade points / 12.0 units taken = 4.0

**Spring Term 2016** **Doctor of Philosophy (Thes)**
**Computing Science**

| Course | | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|---|---|---|---|---|---|---|---|---|
| THES | 906 | THESIS RESEARCH | IN | 0.0 | 0.0 | 0.00 | XXX | 3775 |

**Summer Term 2016** **Doctor of Philosophy (Thes)**
**Computing Science**

| Course | | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|---|---|---|---|---|---|---|---|---|
| THES | 906 | THESIS RESEARCH | IN | 0.0 | 0.0 | 0.00 | XXX | 3646 |

**Fall Term 2016** **Doctor of Philosophy (Thes)**
**Computing Science**

| Course | | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|---|---|---|---|---|---|---|---|---|
| THES | 909 | THESIS RESEARCH | IN | 0.0 | 0.0 | 0.00 | XXX | 899 |

**Winter Term 2017** **Doctor of Philosophy (Thes)**
**Computing Science**

| Course | | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|---|---|---|---|---|---|---|---|---|
| THES | 909 | THESIS RESEARCH | IN | 0.0 | 0.0 | 0.00 | XXX | 896 |

Leave of Absence approved from May 1, 2017 to September 1, 2017

**Fall Term 2017** **Doctor of Philosophy (Thes)**
**Computing Science**

| Course | | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|---|---|---|---|---|---|---|---|---|
| THES | 909 | THESIS RESEARCH | IN | 0.0 | 0.0 | 0.00 | XXX | 899 |

**Winter Term 2018** **Doctor of Philosophy (Thes)**
**Computing Science**

| Course | | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|---|---|---|---|---|---|---|---|---|
| THES | 909 | THESIS RESEARCH | IN | 0.0 | 0.0 | 0.00 | XXX | 898 |

**Spring Term 2018** **Doctor of Philosophy (Thes)**
**Computing Science**

| Course | | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|---|---|---|---|---|---|---|---|---|
| THES | 906 | THESIS RESEARCH | IN | 0.0 | 0.0 | 0.00 | XXX | 1108 |

Leave of Absence approved from July 1, 2018 to September 1, 2018

**Fall Term 2018** **Doctor of Philosophy (Thes)**
**Computing Science**

| Course | | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|---|---|---|---|---|---|---|---|---|
| THES | 909 | THESIS RESEARCH | IN | 0.0 | 0.0 | 0.00 | XXX | 900 |

**Winter Term 2019** **Doctor of Philosophy (Thes)**
**Computing Science**

| Course | | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|---|---|---|---|---|---|---|---|---|
| THES | 909 | THESIS RESEARCH | IN | 0.0 | 0.0 | 0.00 | XXX | 861 |

January 08, 2019 Doctoral Candidacy Examination Completed
Doctor of Philosophy

**Spring Term 2019** **Doctor of Philosophy (Thes)**
**Computing Science**

| Course | | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|---|---|---|---|---|---|---|---|---|
| THES | 906 | THESIS RESEARCH | IN | 0.0 | 0.0 | 0.00 | XXX | 883 |

**Summer Term 2019** **Doctor of Philosophy (Thes)**
**Computing Science**

| Course | | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|---|---|---|---|---|---|---|---|---|
| THES | 906 | THESIS RESEARCH | IN | 0.0 | 0.0 | 0.00 | XXX | 1279 |

**Fall Term 2019** **Doctor of Philosophy (Thes)**
**Computing Science**

| Course | | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|---|---|---|---|---|---|---|---|---|
| THES | 909 | THESIS RESEARCH | IN | 0.0 | 0.0 | 0.00 | XXX | 900 |

In response to the disruption caused by the global COVID-19 pandemic, the University of Alberta adopted mandatory Credit/No Credit grades for the Winter 2020 term. This was applied universally with no option for letter grades. Students, with grades of CR have met the requirements of the course, whereas students with NC have not. In either instance, these grades do not contribute to a GPA calculation. If a letter grade is present for the Winter 2020 term, it was approved prior to the change.

**Winter Term 2020** **Doctor of Philosophy (Thes)**
**Computing Science**

| Course | | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|---|---|---|---|---|---|---|---|---|
| THES | 909 | THESIS RESEARCH | IN | 0.0 | 0.0 | 0.00 | XXX | 900 |

**Spring Term 2020** **Doctor of Philosophy (Thes)**
**Computing Science**

| Course | | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|---|---|---|---|---|---|---|---|---|
| THES | 906 | THESIS RESEARCH | IN | 0.0 | 0.0 | 0.00 | XXX | 813 |

**Summer Term 2020** **Doctor of Philosophy (Thes)**
**Computing Science**

| Course | | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|---|---|---|---|---|---|---|---|---|
| THES | 906 | THESIS RESEARCH | IN | 0.0 | 0.0 | 0.00 | XXX | 790 |

**Fall Term 2020** **Doctor of Philosophy (Thes)**
**Computing Science**

| Course | | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|---|---|---|---|---|---|---|---|---|
| THES | 909 | THESIS RESEARCH | IN | 0.0 | 0.0 | 0.00 | XXX | 900 |

**Winter Term 2021** **Doctor of Philosophy (Thes)**
**Computing Science**

| Course | | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|---|---|---|---|---|---|---|---|---|
| THES | 909 | THESIS RESEARCH | CR | 0.0 | 0.0 | 0.00 | XXX | 900 |

April 22, 2021 Academic Integrity & Ethics Training Component met
Doctor of Philosophy

May 20, 2021 Graduate Program Completed
Doctor of Philosophy
THESIS TITLE: Learning Video Object Segmentation from Limited Labelled Data

End of Transcript

UNIVERSITY OF ALBERTA

OFFICE OF THE REGISTRAR

EDMONTON, ALBERTA, CANADA T6G 2M7

Tel: 780.492.3113 | Fax: 780.492.7172 | https://www.ualberta.ca/registrar

**Accreditation:** The University of Alberta is a member of the Association of Universities and Colleges of Canada and the Association of Commonwealth Universities.

**Academic Terms:** Effective September 1999, all periods of study at the University of Alberta are represented by terms. There are four academic terms—Fall, Winter, Spring and Summer. The Fall and Winter Terms are 13 weeks long plus examination time. The Spring and Summer terms are six weeks long including examination time.

**Course Information:** Course units are assigned for the purpose of calculating a weighted (grade point) average. Normally, full courses consist of 6.0 units, include three hours of lectures per week, and are offered over two terms. A full course is represented on the transcript as two sections of the same course—section A and B. Section A of a full course is awarded a grade of IP. No weight is assigned to this section. A final grade, the corresponding weight and grade point value are assigned to section B of the course. Half courses normally consist of 3.0 units and include three hours of instruction per week. Engineering courses have units assigned to them based on hours of instruction and may deviate from the norm.

**Grade Point Average (GPA):** The Grade Point Average (GPA) is a measure of a student's weighted average, obtained by dividing the total number of grade points earned by the total units of course weight attempted. Courses graded using grades of CR or NC, or from which students have withdrawn or have audited, are not calculated into the GPA. For more information, see the *University Calendar*.

**Re-registration Policy:** The university's re-registration policy, effective September 1988, does not normally allow students to repeat courses already passed or for which transfer credit has been granted. For more information, see the *University Calendar*.

## The Letter Grading System (effective September 2003)

### Course Grades Obtained by Undergraduate Students

| Descriptor | Letter Grade | Grade Point Value |
|---|---|---|
| | A+ | 4.0 |
| Excellent | A | 4.0 |
| | A- | 3.7 |
| | B+ | 3.3 |
| Good | B | 3.0 |
| | B- | 2.7 |
| | C+ | 2.3 |
| Satisfactory | C | 2.0 |
| | C- | 1.7 |
| Poor | D+ | 1.3 |
| Minimal Pass | D | 1.0 |
| Failure | F | 0.0 |

### Course Grades Obtained by Graduate Students

| Descriptor | Letter Grade | Grade Point Value |
|---|---|---|
| | A+ | 4.0 |
| Excellent | A | 4.0 |
| | A- | 3.7 |
| Good | B+ | 3.3 |
| | B | 3.0 |
| Satisfactory | B- | 2.7 |
| | C+ | 2.3 |
| | C | 2.0 |
| | C- | 1.7 |
| Failure | D+ | 1.3 |
| | D | 1.0 |
| | F | 0.0 |

### Other Final Grades

AE aegrotat standing
AU registered as an auditor
AW registered as an auditor and withdrew
CR completed requirements; no grade point value assigned
EX exempt
IN incomplete
IP course in progress
IP* withdrew from or failed course in progress
NC failure, no grade point value assigned
W withdrew with permission

### Remarks

1 grade includes a mark of '0' for final examination missed, or for term work missed, or both
2 grade includes a mark of '0' for final examination missed, or for term work missed, or both, and deferred final examination granted
3 credit withheld
4 reexamination granted
5 failure (assigned to failing Graduate Student grades only)
6 failure, grade includes a mark of '0' for final examination missed, or for term work missed, or both (assigned to failing Graduate Student grades only)
7 failure, grade includes a mark of '0' for final examination missed, or for term work missed, or both, and deferred final examination granted (assigned to failing Graduate Student grades only)
8 disciplinary sanction for serious instances of inappropriate academic behavior
9 failure, disciplinary sanction for serious instances of inappropriate academic behavior (assigned in the same circumstances as the remark of 8 but to failing Graduate Student grades only)

## The 9-Point Grading System (before September 2003)

### Course Grades Obtained by Undergraduate Students

| | | |
|---|---|---|
| | 9 | Outstanding |
| | 8 | Excellent |
| | 7 | Very Good |
| | 6 | Good |
| | 5 | Satisfactory |
| Pass | 4 | Minimally acceptable |
| Fail | 3 | Unsatisfactory |
| | 2 | |
| | 1 | |

### Course Grades Obtained by Graduate Students

| | | |
|---|---|---|
| | 9 | Excellent |
| | 8 | |
| | 7 | Good |
| Pass | 6 | Satisfactory |
| Fail | 5 | |
| | 4 | |
| | 3 | Unsatisfactory |
| | 2 | |
| | 1 | |

**Note:** Effective September 1986, a grade of 3 is a failing grade for undergraduate students. Before September 1986, credit might be conceded by a Faculty for a grade of 3 in an individual course if warranted by a student's overall record.

Effective July 1989, a grade of 5 is a failing grade for graduate students. Before July 1989, credit might be conceded by the Faculty of Graduate Studies and Research for a grade of 4 or 5 in an individual course if warranted by a student's overall record.

### Other Final Grades

AB absent from final examination
ABF absent from final examination, failed, results in a grade of 1
AE aegrotat standing
AU registered as an auditor
AW registered as an auditor and withdrew
CR completed requirements; no numeric grade assigned
DB debarred from final exam
DW did not write
EX exempt
F failure; no numeric grade assigned
H pass with honors standing
IN incomplete
INF incomplete, failed
IP course in progress
IP* withdrew from or failed course in progress
RC registration cancelled
W withdrew with permission
WF withdrew failing, results in a grade of 1

### Remarks

A indicates missed final examination, term work missed, or both
B grade includes '0' for missed term work and final examination
C credit conceded
D granted a deferred final examination
F failure
FI failed, inappropriate academic behavior
N credit withheld
R granted a reexamination
S failure, supplemental granted
X student failed to complete a significant part of term work