

Undergraduate Unofficial Transcript

Name: **Pietsch, Sophia Theresa**
Student ID: **20754904**
Ontario Education Nbr: **745509943**

Beginning of Undergraduate Record

Fall 2018

Program: Mathematics, Honours, Co-operative Program
Level: 1A Form Of Study: Enrolment

| <u>Course</u> | | <u>Description</u> | <u>Attempted</u> | <u>Earned</u> | <u>Grade</u> |
|--|-------|--|------------------|---------------|--------------|
| CS | 145 | Designing Functional Programs (Advanced Level) | 0.50 | 0.50 | 93 |
| ENGL | 109 | Introduction to Academic Writing | 0.50 | 0.50 | 88 |
| MATH | 145 | Algebra (Advanced Level) | 0.50 | 0.50 | 95 |
| MATH | 147 | Calculus 1 (Advanced Level) | 0.50 | 0.50 | 100 |
| PHYS | 121 | Mechanics | 0.50 | 0.50 | 100 |
| | | | <u>In GPA</u> | <u>Earned</u> | |
| Term GPA | 95.20 | Term Totals | 2.50 | 2.50 | |
| Cumulative GPA | 95.20 | Cumulative Totals | 2.50 | 2.50 | |
| Major Average: | 96.00 | Mathematics, Honours, Co-operative Program | | | |
| Faculty Average: | 96.00 | Mathematics, Honours, Co-operative Program | | | |
| Academic Standing: Excellent standing Effective 01/18/2019 | | | | | |
| Term Honours: Term Dean's Honours List | | | | | |

Winter 2019

Program: Mathematics, Honours, Co-operative Program
Level: 1B Form Of Study: Enrolment

| <u>Course</u> | | <u>Description</u> | <u>Attempted</u> | <u>Earned</u> | <u>Grade</u> |
|--|-------|---|------------------|---------------|--------------|
| CS | 146 | Elementary Algorithm Design and Data Abstraction (Advanced Level) | 0.50 | 0.50 | 100 |
| MATH | 146 | Linear Algebra 1 (Advanced level) | 0.50 | 0.50 | 100 |
| MATH | 148 | Calculus 2 (Advanced Level) | 0.50 | 0.50 | 94 |
| PD | 1 | Career Fundamentals | 0.50 | 0.00 | CR |
| PHYS | 122 | Waves, Electricity and Magnetism | 0.50 | 0.50 | 100 |
| SPCOM | 223 | Public Speaking | 0.50 | 0.50 | 84 |
| | | | <u>In GPA</u> | <u>Earned</u> | |
| Term GPA | 95.60 | Term Totals | 3.00 | 2.50 | |
| Cumulative GPA | 95.40 | Cumulative Totals | 5.00 | 5.00 | |
| Major Average: | 97.00 | Mathematics, Honours, Co-operative Program | | | |
| Faculty Average: | 97.00 | Mathematics, Honours, Co-operative Program | | | |
| Academic Standing: Excellent standing Effective 05/22/2019 | | | | | |
| Term Honours: Term Dean's Honours List | | | | | |

Spring 2019

Program: Computer Science, Honours, Co-operative Program
Level: 2A Form Of Study: Co-op Work Term

| <u>Course</u> | | <u>Description</u> | <u>Attempted</u> | <u>Earned</u> | <u>Grade</u> |
|----------------|-------|--|------------------|---------------|--------------|
| COOP | 1 | Co-operative Work Term | 0.50 | 0.00 | CR |
| PD | 11 | Processes for Technical Report Writing | 0.50 | 0.00 | CR |
| | | | <u>In GPA</u> | <u>Earned</u> | |
| Term GPA | 0.00 | Term Totals | 1.00 | 0.00 | |
| Cumulative GPA | 95.40 | Cumulative Totals | 5.00 | 5.00 | |

Undergraduate Unofficial Transcript

Name: Pietsch, Sophia Theresa
Student ID: 20754904
Ontario Education Nbr: 745509943

Fall 2019

Program: Computer Science, Honours, Co-operative Program
Level: 2A **Form Of Study:** Enrolment

| <u>Course</u> | | <u>Description</u> | <u>Attempted</u> | <u>Earned</u> | <u>Grade</u> |
|--------------------|---|---|------------------|---------------|--------------|
| CS | 245E | Logic and Computation (Enriched) | 0.50 | 0.50 | 97 |
| CS | 246E | Object-Oriented Software Development (Enriched) | 0.50 | 0.50 | 100 |
| MATH | 249 | Introduction to Combinatorics (Advanced Level) | 0.50 | 0.50 | 95 |
| PHIL | 255 | Philosophy of Mind | 0.50 | 0.50 | 94 |
| STAT | 240 | Probability (Advanced Level) | 0.50 | 0.50 | 100 |
| | | | <u>In GPA</u> | <u>Earned</u> | |
| Term GPA | | 97.20 Term Totals | 2.50 | 2.50 | |
| Cumulative GPA | | 96.00 Cumulative Totals | 7.50 | 7.50 | |
| Major Average: | | 99.00 Computer Science, Honours, Co-operative Program | | | |
| Faculty Average: | | 97.40 Computer Science, Honours, Co-operative Program | | | |
| Academic Standing: | Excellent standing Effective 01/21/2020 | | | | |
| Term Honours: | Term Dean's Honours List | | | | |

Winter 2020

Program: Computer Science, Honours, Co-operative Program
Level: 2B **Form Of Study:** Enrolment

COVID-19 impacted assessment methods and performance in many courses this term.

| <u>Course</u> | | <u>Description</u> | <u>Attempted</u> | <u>Earned</u> | <u>Grade</u> |
|--------------------|---|---|------------------|---------------|--------------|
| CS | 240 | Data Structures and Data Management | 0.50 | 0.50 | 98 |
| CS | 251 | Computer Organization and Design | 0.50 | 0.50 | CR |
| ECON | 101 | Introduction to Microeconomics | 0.50 | 0.50 | 97 |
| FINE | 100 | Studio Fundamentals | 0.50 | 0.50 | 87 |
| MATH | 247 | Calculus 3 (Advanced Level) | 0.50 | 0.50 | 100 |
| STAT | 241 | Statistics (Advanced Level) | 0.50 | 0.50 | 96 |
| | | | <u>In GPA</u> | <u>Earned</u> | |
| Term GPA | | 95.60 Term Totals | 3.00 | 3.00 | |
| Cumulative GPA | | 95.90 Cumulative Totals | 10.00 | 10.50 | |
| Major Average: | | 98.75 Computer Science, Honours, Co-operative Program | | | |
| Faculty Average: | | 97.54 Computer Science, Honours, Co-operative Program | | | |
| Academic Standing: | Excellent standing Effective 05/27/2020 | | | | |
| Term Honours: | Term Dean's Honours List | | | | |

Spring 2020

Program: Computer Science, Honours, Co-operative Program
Level: 3A **Form Of Study:** Co-op Work Term

| <u>Course</u> | | <u>Description</u> | <u>Attempted</u> | <u>Earned</u> | <u>Grade</u> |
|--------------------|---|---|------------------|---------------|--------------|
| COOP | 2 | Co-operative Work Term | 0.50 | 0.00 | CR |
| CS | 341 | Algorithms | 0.50 | 0.50 | 97 |
| PD | 10 | Professional Responsibility in Computing | 0.50 | 0.00 | CR |
| WKRPT | 200M | Work-term Report | 0.13 | 0.00 | CR |
| | | | <u>In GPA</u> | <u>Earned</u> | |
| Term GPA | | 97.00 Term Totals | 1.63 | 0.50 | |
| Cumulative GPA | | 95.95 Cumulative Totals | 10.50 | 11.00 | |
| Major Average: | | 98.40 Computer Science, Honours, Co-operative Program | | | |
| Faculty Average: | | 97.50 Computer Science, Honours, Co-operative Program | | | |
| Academic Standing: | Excellent standing Effective 09/15/2020 | | | | |
| Term Honours: | Term Distinction | | | | |

Undergraduate Unofficial Transcript

Name: Pietsch, Sophia Theresa
Student ID: 20754904
Ontario Education Nbr: 745509943

Fall 2020

Program: Computer Science, Honours, Co-operative Program
Level: 3A **Form Of Study:** Enrolment

| <u>Course</u> | | <u>Description</u> | <u>Attempted</u> | <u>Earned</u> | <u>Grade</u> |
|--|------|---|---|---------------|--------------|
| CS | 241E | Foundations of Sequential Programs (Enriched) | 0.50 | 0.50 | 100 |
| CS | 480 | Introduction to Machine Learning | 0.50 | 0.50 | 98 |
| CS | 486 | Introduction to Artificial Intelligence | 0.50 | 0.50 | 100 |
| ECON | 290 | Models of Choice in Competitive Markets | 0.50 | 0.50 | 94 |
| MATH | 245 | Linear Algebra 2 (Advanced Level) | 0.50 | 0.50 | 99 |
| PMATH | 351 | Real Analysis | 0.50 | 0.50 | 100 |
| | | | <u>In GPA</u> | <u>Earned</u> | |
| Term GPA | | 98.50 | Term Totals | 3.00 | 3.00 |
| Cumulative GPA | | 96.52 | Cumulative Totals | 13.50 | 14.00 |
| Major Average: | | 98.75 | Computer Science, Honours, Co-operative Program | | |
| Faculty Average: | | 98.00 | Computer Science, Honours, Co-operative Program | | |
| Academic Standing: Excellent Standing Effective 01/21/2021 | | | | | |
| Term Honours: | | Term Distinction | | | |

Winter 2021

Program: Computer Science, Honours, Co-operative Program
Level: 3B **Form Of Study:** Co-op Work Term

| <u>Course</u> | | <u>Description</u> | <u>Attempted</u> | <u>Earned</u> | <u>Grade</u> |
|--|------|------------------------|---|---------------|--------------|
| COOP | 3 | Co-operative Work Term | 0.50 | 0.00 | CR |
| CS | 350 | Operating Systems | 0.50 | 0.50 | 98 |
| PD | 6 | Problem Solving | 0.50 | 0.00 | CR |
| WKRPT | 300M | Work-term Report | 0.13 | 0.13 | CR |
| | | | <u>In GPA</u> | <u>Earned</u> | |
| Term GPA | | 98.00 | Term Totals | 1.63 | 0.63 |
| Cumulative GPA | | 96.57 | Cumulative Totals | 14.00 | 14.63 |
| Major Average: | | 98.67 | Computer Science, Honours, Co-operative Program | | |
| Faculty Average: | | 98.00 | Computer Science, Honours, Co-operative Program | | |
| Academic Standing: Excellent Standing Effective 05/19/2021 | | | | | |
| Term Honours: | | Term Distinction | | | |

Spring 2021

Program: Computer Science, Honours, Co-operative Program
Level: 4A **Form Of Study:** Enrolment

| <u>Course</u> | | <u>Description</u> | <u>Attempted</u> | <u>Earned</u> | <u>Grade</u> |
|--|-----|---|---|---------------|--------------|
| CS | 348 | Introduction to Database Management | 0.50 | 0.50 | 100 |
| CS | 371 | Introduction to Computational Mathematics | 0.50 | 0.50 | 95 |
| CS | 458 | Computer Security and Privacy | 0.50 | 0.50 | 100 |
| CS | 466 | Algorithm Design and Analysis | 0.50 | 0.50 | 94 |
| ECON | 371 | Business Finance 1 | 0.50 | 0.50 | 94 |
| | | | <u>In GPA</u> | <u>Earned</u> | |
| Term GPA | | 96.60 | Term Totals | 2.50 | 2.50 |
| Cumulative GPA | | 96.58 | Cumulative Totals | 16.50 | 17.13 |
| Major Average: | | 98.23 | Computer Science, Honours, Co-operative Program | | |
| Faculty Average: | | 97.88 | Computer Science, Honours, Co-operative Program | | |
| Academic Standing: Excellent Standing Effective 09/14/2021 | | | | | |
| Term Honours: | | Term Distinction | | | |

Undergraduate Unofficial Transcript

Name: Pietsch, Sophia Theresa
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Fall 2021

Program: Computer Science, Honours, Co-operative Program
Level: 4B **Form Of Study:** Co-op Work Term

| <u>Course</u> | | <u>Description</u> | <u>Attempted</u> | <u>Earned</u> | <u>Grade</u> |
|--------------------|------|---|------------------|---------------|--------------|
| COOP | 4 | Co-operative Work Term | 0.50 | 0.00 | CR |
| CS | 451 | Data-Intensive Distributed Computing | 0.50 | 0.50 | 92 |
| PD | 13 | Research in the Workplace | 0.50 | 0.00 | CR |
| WKRPT | 400M | Work-term Report | 0.13 | 0.13 | CR |
| | | | <u>In GPA</u> | <u>Earned</u> | |
| Term GPA | | 92.00 Term Totals | 1.63 | 0.63 | |
| Cumulative GPA | | 96.44 Cumulative Totals | 17.00 | 17.76 | |
| Major Average: | | 97.79 Computer Science, Honours, Co-operative Program | | | |
| Faculty Average: | | 97.64 Computer Science, Honours, Co-operative Program | | | |
| Academic Standing: | | Excellent Standing Effective 01/20/2022 | | | |
| Term Honours: | | Term Distinction | | | |

Winter 2022

Program: Computer Science, Honours, Co-operative Program
Level: 4B **Form Of Study:** Enrolment

| <u>Course</u> | | <u>Description</u> | <u>Attempted</u> | <u>Earned</u> | <u>Grade</u> |
|--------------------|-----|---|------------------|---------------|--------------|
| CO | 255 | Introduction to Optimization (Advanced Level) | 0.50 | 0.50 | 100 |
| CO | 481 | Introduction to Quantum Information Processing | 0.50 | 0.50 | 98 |
| CS | 479 | Neural Networks | 0.50 | 0.50 | 98 |
| CS | 484 | Computational Vision | 0.50 | 0.50 | 92 |
| CS | 488 | Introduction to Computer Graphics | 0.50 | 0.50 | 93 |
| | | | <u>In GPA</u> | <u>Earned</u> | |
| Term GPA | | 96.20 Term Totals | 2.50 | 2.50 | |
| Cumulative GPA | | 96.41 Cumulative Totals | 19.50 | 20.26 | |
| Major Average: | | 97.22 Computer Science, Honours, Co-operative Program | | | |
| Faculty Average: | | 97.40 Computer Science, Honours, Co-operative Program | | | |
| Academic Standing: | | Excellent Standing Effective 05/19/2022 | | | |
| Term Honours: | | Term Distinction | | | |

Spring 2022

Program: Computer Science, Honours, Co-operative Program
Level: 4B **Form Of Study:** Co-op Work Term

| <u>Course</u> | | <u>Description</u> | <u>Attempted</u> | <u>Earned</u> | <u>Grade</u> |
|------------------|---|---|------------------|---------------|--------------|
| COOP | 5 | Co-operative Work Term | 0.50 | 0.00 | CR |
| | | | <u>In GPA</u> | <u>Earned</u> | |
| Term GPA | | 0.00 Term Totals | 0.50 | 0.00 | |
| Cumulative GPA | | 96.41 Cumulative Totals | 19.50 | 20.26 | |
| Major Average: | | 97.22 Computer Science, Honours, Co-operative Program | | | |
| Faculty Average: | | 97.40 Computer Science, Honours, Co-operative Program | | | |

Fall 2022

Program: Computer Science, Honours, Co-operative Program
Level: 4B **Form Of Study:** Co-op Work Term

| <u>Course</u> | | <u>Description</u> | <u>Attempted</u> | <u>Earned</u> | <u>Grade</u> |
|------------------|---|---|------------------|---------------|--------------|
| COOP | 6 | Co-operative Work Term | 0.50 | 0.00 | CR |
| | | | <u>In GPA</u> | <u>Earned</u> | |
| Term GPA | | 0.00 Term Totals | 0.50 | 0.00 | |
| Cumulative GPA | | 96.41 Cumulative Totals | 19.50 | 20.26 | |
| Major Average: | | 97.22 Computer Science, Honours, Co-operative Program | | | |
| Faculty Average: | | 97.40 Computer Science, Honours, Co-operative Program | | | |

Undergraduate Unofficial Transcript

Name: Pietsch, Sophia Theresa
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Winter 2023

Program: Computer Science, Honours, Co-operative Program
Level: 4B **Form Of Study:** Enrolment

| <u>Course</u> | | <u>Description</u> | <u>Attempted</u> | <u>Earned</u> | <u>Grade</u> |
|------------------|------|-----------------------|------------------|---------------|--------------|
| CS | 444 | Compiler Construction | 0.50 | 0.50 | 98 |
| CS | 452 | Real-time Programming | 0.50 | 0.50 | 88 |
| ENGL | 108P | Popular Potter | 0.50 | 0.50 | 96 |
| | | | <u>In GPA</u> | <u>Earned</u> | |
| Term GPA | | | 94.00 | 1.50 | |
| Cumulative GPA | | | 96.24 | 21.00 | |
| Major Average: | | | 96.80 | | |
| Faculty Average: | | | 97.12 | | |

Milestones

| <u>Date Completed</u> | <u>Description</u> | <u>Status</u> |
|-----------------------|--|---------------|
| 12/31/2018 | Undergraduate Communication Requirement - Part 1 | Completed |
| 04/30/2019 | Undergraduate Communication Requirement | Completed |
| 08/31/2019 | Work Report 1 | Completed |
| 08/31/2019 | Work Term 1 | Completed |
| 12/31/2019 | Workplace Hazardous Materials Information System | Completed |
| 04/30/2020 | Portfolio Review | Completed |
| 08/31/2020 | Work Report 2 | Completed |
| 08/31/2020 | Work Term 2 | Completed |
| 04/30/2021 | Work Report 3 | Completed |
| 04/30/2021 | Work Term 3 | Completed |
| 12/31/2021 | Work Report 4 | Completed |
| 12/31/2021 | Work Term 4 | Completed |
| 08/31/2022 | Work Term 5 | Completed |
| 12/31/2022 | Work Term 6 | Completed |

Scholarships and Awards

| | |
|------|---|
| 2019 | University of Waterloo President's Scholarship of Distinction |
| 2019 | Faculty of Mathematics Entrance Scholarship |
| 2020 | John Hin Chung Tsang Memorial Scholarship |
| 2022 | President's Research Award |
| 2022 | Karen Padham Taylor Scholarship for Women in Computer Science |
| 2023 | Women in Mathematics Scholarship |

End of Undergraduate Unofficial Transcript