

J. ALEXANDRA THOMPSON

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EDUCATION

ANTICIPATED GRADUATION: APRIL 2022

HONOURS BACHELOR OF COMPUTER SCIENCE (HBSC), UNIVERSITY OF TORONTO
MISSISSAUGA CAMPUS (UTM)

I am currently pursuing a Computer Science Specialist and an English Minor at UTM. I started school in September 2017 and aim to finish by April 2022. Current cGPA: 3.2/4.0

WORK EXPERIENCE

SEPTEMBER 2018 – PRESENT

TEACHING ASSISTANT, UTM COMPUTER SCIENCE DEPARTMENT

I have been an undergraduate teaching assistant at the University of Toronto Mississauga for many years. My responsibilities have involved running weekly tutorials, answering questions on the course discussion board, grading student's assignments/labs/midterms/exams, and completing any task to better support the faculty.

I have most often supported CSC108 and CSC148, the first-year introductory Python computer science courses. I have also supported the second-year Software Design course, CSC207, and the second-year computer science writing requirement, CSC290.

Future Positions:

- CSC148 in Winter 2022 (triple position) under Professor Bogdan Simion and Professor Lisa Zhang

Current Positions:

- CSC108 in Fall 2021 (double position) under Professor Michael Liut
- CSC207 in Fall 2021 (triple position) under Professor Ilir Dema

Past Positions:

- CSC148 in Winter 2021 under Professor Larry Zhang
- CSC207 in Winter 2021 under Professor Sadia Sharmin
- CSC108 in Fall 2020 under Professor Michael Liut
- CSC207 in Fall 2020 (double position) under Professor Sadia Sharmin
- CSC148 in Winter 2020 under Professor Bogdan Simion
- CSC290 in Winter 2020 (double position) under Professor Paul Vrbik
- CSC108 in Fall 2019 (double position) under Professor Andrew Petersen
- CSC148 in Summer 2019 under Professor Sadia Sharmin
- CSC108 in Winter 2019 (double position) under Professor Sadia Sharmin
- CSC108 in Fall 2018 under Professor Vincent Maccio

MAY 2020 – DECEMBER 2020

GENERAL MANAGER, UTM COMPUTER SCIENCE STUDENT COMMUNITY (CSSC)

I was the General Manager for the UTM Computer Science Student Community, backed by the UTM Computer Science Department. This is a casual contract position to support faculty supported student initiatives at UTM. Responsibilities involved promoting student wellness events and working with other student groups to create a first-year orientation to the department. <https://cssc.utm.utoronto.ca/>

RELEVANT COURSES

- CSC301H: Introduction to Software Engineering
- CSC318H: Interactive Computational Media
- CSC324H: Principles of Programming Languages
- CSC343H: Introduction to Databases
- CSC347H: Introduction to Information Security
- CSC358H: Introduction to Computer Networks
- CSC363H: Computational Complexity and Computability
- CSC373H: Algorithm Design and Analysis
- CSC398H: Topics in Computer Science (Ethics in Computer Science)
- CSC428H: Human Computer Interaction
- CSC492H: Independent Computer Science Research (Sequential Pattern Mining on CS Education Topic)
- CSC493H: Independent Computer Science Research (Sequential Pattern Mining on CS Education Topic cont.)
- CSC499H: Research Opportunity Program (Performance regression analysis of Compilers, specifically LLVM and Clang)

PUBLICATIONS

- “Exploring How Students Use an Online Learning Environment”— Poster Publication SIGCSE '21, March 13–20, 2021, Virtual Event, USA
 - Won the Council for Undergraduate Research (CUR) Award at the SIGCSE Technical Symposium conference in 2021 for the best undergraduate poster publication.
 - Related links:
 - Publication DOI: <https://dl.acm.org/doi/10.1145/3408877.3439669>
 - Award announcement: <https://www.utm.utoronto.ca/math-cs-stats/news/jennifer-alexandra-thompson-announced-winner-council-undergraduate-research-cur-award-best>

TECHNICAL SKILLS

- Python
- HTML/CSS/JS
- Bash
- Github
- Miro
- Java
- React
- Git (cmd line)
- Jira
- Figma
- C
- React-Native
- PostgreSQL
- AWS
- Research Experience

OTHER SKILLS

- Strong written skills
- Effective presenter
- Goal-based independent learner
- Highly passionate and motivated