

# Andrea Mitchell

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## Skills

- >> Excellent communicator
- >> Organization and leadership
- >> Great time management
- >> Excellent teacher
- >> Visual art and design

## Languages and Programs

- >> Python
- >> JavaScript, ReactJS
- >> HTML, CSS
- >> NodeJS, Express
- >> Java
- >> SQL
- >> Figma
- >> Adobe Creative Suite

## Research Interests

- >> Pedagogy and curriculum design
- >> Ontologies
- >> Knowledge representation

## Academic Awards

- >> Deans Honour's List with Distinction received three consecutive years at Queen's University - GPA within the top 3% of all students (2018 - 2021)
- >> Awarded Nellie & Ralph Jeffery Award in Mathematics (2020)
- >> Awarded Best Oral Presentation Award at Canadian Material Science Conference (2022)

## Education

September 2021 – Present

### University of Toronto, MASc in Materials Science Engineering

- Under supervision of Glenn Hibbard, working on the *MSE Knowledge Engine* (MSEKE) project which is focused on the pedagogical impacts of using hierarchical information mapping of course content

September 2016 – April 2021

### Queen's University, Bachelor's Honours degree in Computing, Specialization in Mathematics

- First year studied at Bader International Study Center in the UK
- GPA: 4.07 / 4.3
- 85%+ (A to A+ range) in all technical Math and Computing courses

## Work Experience

### Teaching Assistant, University of Toronto (2021- )

- **Head TA:** CSC 236, Introduction to the Theory of Computation
  - Assisted in content development of tutorials, problem sets, and the final exam. Organized allocation of duties of TAs
- **TA:** CCT 111, Critical Coding; APS 106, Fundamentals of Computer Programming; CSC 108, Introduction to Computer Programming; MSE 294, Communication; CSC164, Introduction to Discrete Math

### Teaching Assistant, Queen's University (2017-2021)

- **Head TA:** MATH 111, Intro to Linear Algebra
  - Assisted in course organization, content development and teaching several lectures
- **TA:** CISC 121, Intro to Computer Science; CISC 204, Logic; CISC 203, Discrete Math II; MATH 121, Calculus; CISC 365, Algorithms

### Internal Medicine Residency Call Scheduler, McMaster

#### University Department of Medicine (2020 - 2022)

Worked as the call scheduler for the three Hamilton Hospitals. Duties included managing vacation requests and building the call schedules for all sites.

### Graphic Designer at Studio Q, Queen's University (2017 - 2018)

Worked as a graphic designer for a Queen's run Graphic design company during my second year of university. Created advertisements and posters for various clubs and events around campus.

### Freelance Web Design (2020 - 2021)

Created several websites as freelance work, for a Queen's departmental website, and a small business, seen in my website portfolio.

### Hospitality Industry Jobs

Server at The Bread Bar (2021), Atria Retirement Home (2017), Dishwasher at East Side Mario's (2016)