

# TOMMY REDDAD

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## Profile

Programmer and computer scientist with 5 years of experience in academic research, specializing in applied probability theory, statistics, machine learning, and the analysis of algorithms. Fluent in Python.

## Key Competences

### Coding

Python, JavaScript, C(++), R, SQL

### Utilities

Emacs, git,  $\text{\LaTeX}$ , Visual Studio 2013, OpenGL

### Research and Leadership

Experienced in conducting advanced academic research in computer science and mathematics, both independently and through managing group projects. Strong communication and team skills. Ability to communicate and coordinate effectively with mathematicians and programmers alike.

## Education

### PhD student, Computer Science

McGill University, Montréal, Québec

2016—2019

GPA: 4.00/4.00

### Master of Computer Science

Carleton University, Ottawa, Ontario

2013—2015

GPA: 11.8/12.0

Master's thesis: *Encoding Arguments*

### BSc, Joint Honours in Mathematics and Computer Science

McGill University

2010—2013

GPA: 3.92/4.00

## Professional Experience

### Doctoral Researcher

McGill University

2016—2019

- Studied various problems in minimax density estimation (1 peer-reviewed journal article, 2 other papers), and the detection of the spread of an infection in a random network (1 peer-reviewed journal article.)
- Awarded the Natural Sciences and Engineering Research Council of Canada's Postgraduate Doctoral Scholarship through 2017—2019.

### Teaching Assistant

McGill University

2016—2019

Carleton University

2013—2015

- Held weekly office hours for diverse undergraduate and graduate level university courses in computer science, with responsibilities including grading, designing homework questions, and lecturing.

### Research Assistant

Carleton University

2013—2015

McGill University

2012, 2013

- Studied encoding arguments as a proof technique (1 peer-reviewed journal article, Master's thesis), the Shannon capacity of graphs, and the geometric analysis of maps and balance in competitive multiplayer video games (1 paper).