

Brent Fraser

DATA SCIENTIST

EXPERIENCE

Research Assistant

SEP 2016 – DEC 2018, University of Toronto

Supervisor: Dr. Fiona Murnaghan

- Aided in current research by studying and summarizing literature on distinguished supercuspidal representations of p-adic symmetric spaces.

Teaching Assistant | University of Toronto

SEP 2014 - NOV 2015; SEP 2016 - APR 2019, TORONTO, ON

- Assisted students in learning mathematics by reviewing course material in a classroom setting.
- Allowed students to learn from mistakes by providing comprehensive feedback with graded assessments.
- Supported students in individual and group settings with relevant material.

Teaching Assistant | Carleton University

SEP 2009 - APR 2014, OTTAWA, ON

- Experience is similar to that from the University of Toronto.

NSERC USRA | Research Assistant

MAY – AUG 2010; MAY – AUG, 2011; MAY – AUG, 2012, Carleton University

Supervisor: Dr. Paul Mezo

- Undergraduate research assistant position studying representation theory of Lie groups.
 - Aided in research by investigating patterns and proving theorems under the guidance of a supervising professor.

PROJECTS

Master's Thesis

SEP 2012 - JUN 2014, Carleton University

Supervisor: Dr. Paul Mezo

- Developed a method of computing the cardinality of certain L-packets which requires only basic algebra and topology.
- Clearly explained the process and background mathematics in both a written format and a presentation.

Twisted endoscopy in miniature | Co-Author

- Co-authored an expository paper intended to introduce mathematicians to twisted endoscopy, with Dr. Paul Mezo.
- Based on the work of the first two USRAs: twisted endoscopy for $SU(2,1)$ and $GL(2,R)$.
- Research intended for publication.

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SKILLS

Java, C++, Python, SQL, Tableau, LaTeX

PROFILE

The highlights of my journey as a graduate student have always involved working closely with others. I wish to apply my mathematical expertise in a collaborative, multidisciplinary team environment. I am excited to provide tangible value in a public or private sector organization that values knowledge development and innovation.

EDUCATION

BrainStation | Diploma Candidate, Data Science

JUL 2020 - SEP 2020, TORONTO, ON

Carleton University | Master of Science in Pure Mathematics

SEP 2012 - JUN 2014, OTTAWA, ON

- NSERC CGSM, \$17500 (SEP 2013).
- OGS, \$15000 (SEP 2012).

Carleton University | Bachelor of Mathematics, Highest Honours

SEP 2007 - JUN 2012, OTTAWA, ON

- University Medal in Mathematics (JUN 2012).
- Dean's Honour list (2007-2012).