

GRIFFIN EDWARDS

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EDUCATION

Brown University (*expected*)
Sc. B in Mathematics with Honors

September 2018 - May 2022

RESEARCH EXPERIENCE

Brown University UTRA Award - Theoretical Computer Science *Summer 2020*
 \leftrightarrow Learned Coq and Applied proof assistance to formal verification of systems with Professor Doug Woos.

Brown University Particle Physics Experiment *Summer 2019*
 \leftrightarrow Implemented construction of silicon modules for the high-luminosity upgrade of the Outer Tracker for the CMS Experiment with Professor Ulrich Heintz.

Brown University Cosmology Theory *Summer 2019*
 \leftrightarrow Researched Orbital Preheating and Quantum Information Theory with Professor Stephon Alexander.

CONFERENCES

MIT Undergraduate Cosmology Workshop *August 2019*
Presented *Orbital Inflation and Preheating* with Sarah Bawabe

ACTIVITIES

Math Department Undergraduate Group (DUG) - President *Spring 2020 - Present*

Directed Reading Program Participant - Rational Points on Elliptic Curves *Fall 2021*

Presentation Theory - Founder and Coordinator *Fall 2021*
 \leftrightarrow Planned and moderated Math Seminars by Undergraduates for Undergraduates

Math Circle - Volunteer *Fall 2021*

WORK EXPERIENCE

TA Honors Linear Algebra with Prof Melody Chan *June 2021 - August 2021*

Sheridan Center, Brown University - Physics Tutor *September 2019 - May 2021*

Math Resource Center, Brown University - Tutor *September 2020 - May 2021*

TA Real Analysis with Prof. Jungang Li *January 2021 - May 2021*

TA Differential Geometry with Prof. Georgios Daskalopoulos *September 2020 - December 2020*

TA Linear Algebra with Prof. Jeremy Usatine *January 2020 - May 2020*

TA Advanced Classical Mechanics with Prof. Chung I Tan *January 2020 - May 2020*

Sheridan Center, Brown University - Logic Tutor *September 2019 - December 2019*

TECHNICAL STRENGTHS

Proficient in Python, Coq, Google Slides, and LaTeX

OTHER INTERESTS

Swing Dance, Cooking, Juggling