

Timothy Jackman

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Education

Boston University

Boston, MA

PhD Program

September 2019 – Present

Courses:

- Advanced Optimization Algorithms
- Complexity
- New Methods in Complexity Theory
- Formal Language Theory

Northeastern University

Boston, MA

Candidate for Bachelor of Science in Mathematics

December 2018

Minor in Computer Science

Teaching Experience

Boston University Computer Science Department

Boston, MA

Teaching Fellow

January 2020 – Present

Spring 2020

- Combinatorial Structures (Vahid Azadeh-Ranjbar)

Research Experience

Clemson University Mathematics Department

Clemson, SC

Undergraduate Researcher in Coding Theory

May 2018 – July 2018

- Investigated with a small group a unique problem without previous literature on the subject
- Programmed solutions in Python which successfully found counterexamples for claims
- Interpreted and summarized research results in a technical paper in preparation for publication
- Presented results to professors and faculty at an undergraduate mathematics research conference

Work Experience

John Hancock Insurance

Boston, MA

Actuarial Analyst

January 2019 – August 2019

- Provided ongoing data analysis to help guide the success of a large multi-month marketing campaign
- Built Tableau data visualizations about the campaign to answer questions from executives
- Assisted in laying the groundwork for streamlining the producer experience

John Hancock Insurance

Boston, MA

Long-Term Care Actuarial Co-op

July 2017 – December 2017

- Designed Excel templates and VBA macros which process tens of thousands of rows of policy data to calculate new premium totals and output intermediary worksheets for other teams
- Addressed policyholders' concerns regarding premiums by creating clear step-by-step calculations
- Compiled necessary documents for requesting premium increases from State governments
- Strengthened existing documentation and drafted new directions for programs, worksheets, and macros

Northeastern University Mathematics Department

Boston, MA

Math Grader

September 2017 – Present

- Provided feedback on homework, quizzes, and exams in Introduction to Mathematical Reasoning
- Critiqued student proofs' style, thoroughness, and correctness in discrete topics including set theory, combinatorics, functions, and number theory
- Identified and communicated trends in students' weaknesses to Professors

Northeastern University LGBTQA Resource Center

Staff Assistant

Boston, MA
January 2016 – Present

- Built and manage Excel spreadsheets to track visitor information
- Promoted the center and events in person and via mailing letter
- Provided logistical support to local student group events

Northeastern University Mathematics Tutoring Center

Math Tutor

Boston, MA
January 2016 – May 2016

- Communicated difficult topics to students in a simplified and understandable way
- Adjusted tutoring style to match students' learning styles and to reinforce coursework effectively

Skills

Proficient in LaTeX, VBA, Java, Racket, Microsoft Word, PowerPoint, Excel, Tableau, and SQL
Familiar with Python, MATLAB, Mathematica, SML, HTML