





ERIN BUGBEE

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Erin Bugbee 
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EDUCATION

Ph.D. Student, Behavioral Decision Research | Carnegie Mellon University

STARTING AUGUST 2020

Bachelor of Science with Honors, Statistics | Brown University

SEPTEMBER 2016 – MAY 2020

Thesis: *Understanding Human and Artificial Decision Makers Using Reinforcement Learning*

Magna Cum Laude (Top 20% of Graduating Class), GPA: 3.97/4.0

Bachelor of Arts, Behavioral Decision Sciences | Brown University

SEPTEMBER 2016 – MAY 2020

Specialization in Human and Machine Learning



INDUSTRY EXPERIENCE

Sales Analytics & Insights Intern | The Walt Disney Company

SUMMER 2019

Explore Microsoft Intern, Cloud + AI | Microsoft

SUMMER 2018



RESEARCH AND PUBLICATIONS

Sloman Lab | Brown Department of Cognitive, Linguistic, and Psychological Sciences

Investigating trust in humans and machines to anticipate and understand the future of work.

Learning, Memory, and Decision Lab | Carney Institute for Brain Science

Reinforcement learning in dynamic environments, computational cognitive neuroscience.

Institute for Computational and Experimental Research in Mathematics

Topological data analysis and music information retrieval with machine learning.

“SE and S_NL Diagrams: Flexible Data Structures for MIR.” Peer-reviewed paper for the 19th Proceedings of the International Society for Music Information Retrieval Conference, 2018.

“SuPP and MaPP: Novel MIR Data Structures Inspired by Topological Data Analysis.” Lightly peer-reviewed late-breaking session of the ISMIR 2018. Co-first author.



RELEVANT COURSEWORK

Language Processing in Humans and Machines, Computing as Done in Brains and Computers, Artificial Intelligence, Statistical Inference I and II, Making Decisions, Econometrics, Applied Regression Analysis, Statistical Programming with R, Operations Research: Probabilistic Models, Computational Cognitive Neuroscience, Data Structures and Algorithms, Human Cognition



TEACHING

- **NEUR 1660:** Neural Computations in Learning and Decision Making
- **CS 100:** Data Fluency for All (TA and Head TA)
- **CS 1951a:** Data Science
- **APMA 1655:** Statistical Inference
- **PHP 1501:** Essentials of Data Analysis
- **CLPS 0220:** Making Decisions



AWARDS

Premium for Excellence in Behavioral Decision Sciences

Statistics Undergraduate Poster Award Winner

Brown Data Science Fellow

Class of '81 UTaship for Women in CS, Bob Petrocelli Head Undergraduate TAsip for Fall 2019

Disney Data & Analytics Women Scholarship Recipient



ACTIVITIES

- Brown Data Science Club President
- Statistics Departmental Undergraduate Group (DUG) Leader
- Copy-editor for the Brown Daily Herald
- Science Tour Guide
- American Statistical Association
- Diversity & Inclusion Committee
- Undergraduate Representative for the Center for Statistical Sciences and Department of Biostatistics



SKILLS

Programming Languages: R, Python, MATLAB, SQL, Java, STATA, HTML, CSS, Javascript

IDEs and Develop Tools: RStudio, PyCharm, Jupyter

Data Visualization: Shiny, Tableau