

Abhinav Madahar

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RESEARCH EXPERIENCE

Advisor: Gerard de Melo, PhD
Research Assistant

September 2017 – Present
Rutgers University

- Writing a grant application for submission later this year
- Improved reproducibility of PACRR papers by improving portability, organizing code, and writing documentation
- Developed various research-oriented programs useful for extending *Get to the Point* by See et al.
- Investigated the deployment of the lab's models onto Rutgers' supercomputers on behalf of Dr. de Melo

TEACHING EXPERIENCE

Artificial Intelligence Club
Instructor

September 2016 – June 2017
Millburn High School

- Taught my classmates the basics of machine learning with an emphasis on its underlying mathematics
- Used Dr. Michael Nielsen's *Neural Networks and Deep Learning*
- 10 members from grades 9 through 12

SERVICE

Machine Learning Seminar
Co-Lead

September 2017 - Present
New Brunswick, NJ

- Managing a weekly undergrad seminar discussing recent developments in machine learning research
- Approximately 10 regular members

SIDE PROJECTS

Pure Mathematics Blog

February 2017 – Present

- Writing intuitive proofs to introduce young undergraduates to new branches of mathematics, such as graph theory and number theory

Iceberg Classifier Challenge

December 2017 – January 2018

- Investigated the use of machine learning in identifying icebergs and ships in satellite images

EDUCATION

Rutgers University, New Brunswick
B.Sc. in Computer Science
B.A. in Mathematics
B.A. in Statistics

September 2017 - Present

REFERENCES

Gerard de Melo, PhD
Department of Computer Science

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Current Research Advisor