Abhinav Madahar

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EXPERIENCE

Rutgers Computer Science Department   September 2017 – Present
Research Assistant   *Rutgers University*
· Developed data analysis software for Rutgers' artificial intelligence laboratories
· Explored the use of artificial intelligence in powering search engines and summarizing news articles

PACRR Search Engine   September 2017 – Present
Developer   *Rutgers University and Max Planck Institute*
· Developed a search engine powered by a convolutional-neural-network architecture
· Work done in conjunction with the Max Planck Institute in Germany

PROJECTS

Mathematics Blog   February 2017 – Present
Author   *abhinavmadahar.com*
· Introducing students to areas of mathematics not commonly taught in schools, such as graph theory and combinatorics.

ARTIFICIAL INTELLIGENCE TEACHING AND OUTREACH

Machine Learning Seminar   September 2017 - Present
Co-Lead   *New Brunswick, NJ*
· Managing a weekly seminar discussing recent advancements in artificial intelligence research

Artificial Intelligence Club   September 2016 – June 2017
Instructor   *Millburn High School*
· Taught the basics of artificial intelligence with an emphasis on its underlying mathematics to high school students

TECHNICAL SKILLS

Programming Languages
· Python, Perl, and R for data science and machine learning
· Javascript for frontend and backend web development
· Bash for machine automation and system administration

Libraries
· Tensorflow and Keras for machine learning
· GNU toolkit for software development and system administration
· Node.js and React.js for web development

EDUCATION

Rutgers University, New Brunswick   September 2017 - Present
B.Sc. in Computer Science
B.A. in Mathematics
B.A. in Statistics