

Abhinav Madahar

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EXPERIENCE

Johnson & Johnson

Medical Devices Data Science Intern

May 2018 — August 2018

Somerville, NJ

- Used RNNs and CNNs to recognize human activity using wearable sensor data.
- Predicted post-op complications using real-world electronic health data.
- Used high-performance Linux utilities to remove bottlenecks in data preprocessing pipeline.
- Applied other machine learning techniques, including SVMs and random forests.
- Presented my teams deep learning innovations to company executives.

Rutgers Computer Science Department

Research Assistant

September 2017 — Present

Rutgers University

- Improved a query-based text summarizer using RNNs with attention.
- Improved stability of new search engines.
- Developed programs to evaluate and improve deep learning models.
- Deployed the labs models onto Rutgers supercomputers.

AWARDS

Google Award for Data Science

February 2018

- Won for Developing ASSIST, a stroke survival predictor. Read about it in the Side Projects section.

PROJECTS

ASSIST

December 2017 — January 2018

- Used supervised learning to predict whether a stroke patient will survive for 14 days.
- Won Google award for data science, John Snow data science award, and HopHacks award for 3 rd place overall best project.

Mathematics Blog

February 2017 — Present

- Introducing students to areas of mathematics not commonly taught in schools, such as graph theory and combinatorics.

EDUCATION

Rutgers University, New Brunswick

B.Sc. in Computer Science

B.A. in Mathematics

Minor in Biology

September 2017 - Present