

Abhinav Madahar

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EXPERIENCE

Oracle, Inc.

May 2019 — August 2019

Data Science Intern

Santa Clara, CA

- Developed CNN-based, LSTM-based, and GRU-based time series models to predict cloud service usage
- Demonstrated that my deep learning model outperformed the team's existing models
- Currently deploying models to production
- Used generative sequence-to-sequence models to project revenue from various teams
- Won Peer-to-Peer Award for automating major business tasks, saving hundreds of work hours per year

Johnson & Johnson

May 2018 — August 2018

Medical Devices Data Science Intern

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 leaders

Prof. Gerard de Melo Lab

September 2017 — August 2018

Research Assistant

New Brunswick, NJ

- 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

Oracle Peer-to-Peer Award

July 2019

- Won for automating grueling bureaucratic work using Jupyter lab

Google Award for Data Science

February 2018

- Won for Developing ASSIST, a stroke survival predictor
- Used supervised learning to predict whether a stroke patient will survive for 14 days
- This project also won the John Snow data science award and HopHacks award for 3rd place overall best project

SOFTWARE DEVELOPMENT PROJECTS

Rutgers Treasure Hunt

August 2019

- Programmed GPS-powered, web-based game which tracks player's movement through physical space
- Tasked players with finding clues hidden throughout Rutgers campus
- Encouraged exploration through Rutgers' landmarks with original technique

EDUCATION

Rutgers University, New Brunswick

September 2017 — Present

B.A. in Mathematics

Minors in Biology and Computer Science