

# Antonino DiMaggio

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## PROFILE

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Computer science graduate with a passion for learning new things seeking to utilize my internship experience and strong background in mathematics to obtain a position in data science or machine learning.

## EXPERIENCE

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**National Renewable Energy Laboratory** Golden, CO  
*Research Intern, Advisor: Dr. Leonardo Micheli* 6/2018 - 8/2018

- Time series analysis of photovoltaic performance data in Python
- Particle characterization using machine learning based clustering algorithms
- Worked in a research group implementing rapid development methodology

**Princeton Plasma Physics Laboratory** Princeton, NJ  
*Research Intern, Advisor: Dr. Arturo Dominguez* 9/2017 - 1/2018

- Computation of ideal magnetohydrodynamic equilibrium of stellarator plasmas
- Built three-dimensional visualization tools for stellarator plasmas in MATLAB
- Application of methods to solve systems of partial differential equations

## EDUCATION

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**Rutgers University** New Brunswick, NJ  
B.S in Computer Science 5/2020  
GPA: 3.3

*Selected Coursework:* Linear Optimization, Principles of Programming Languages, Data Science, Software Methodology, Compilers, Ordinary Differential Equations

## SKILLS

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- **Programming Languages:** Python, Java, C
- **Tools and Frameworks:** PyTorch, Tensorflow, Python data science stack, Jupyter/Colab, Git
- **Environments:** Linux, AWS

## PROJECTS

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**Forecasting Solar Irradiance Using Recurrent Neural Networks** 12/2019 - Present

- Development of a machine learning model for the purpose of forecasting solar irradiance data
- Implementation of a recurrent neural network with long short-term memory units in PyTorch