

# Antonino DiMaggio

732-640-6595 | antonino.dimaggio@rutgers.edu | <https://antoninodimaggio.github.io>

## Profile

---

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

## EXPERIENCE

---

### 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

---

### Rutgers University

New Brunswick, NJ

B.S in Computer Science

Expected May 2020

GPA: 3.3

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

## SKILLS

---

- **Programming Languages:** Python, Java, C
- **Tools and Frameworks:** Tensorflow, Keras, Python data science stack, Jupyter, Django, Git
- **Other Skills:** RESTful web service design, High performance Linux clusters, MATLAB

## PROJECTS

---

### Machine Learning for Forecasting of NSRDB Irradiance Data

12/2019 - Present

- Development of a machine learning model for the short-term prediction of solar irradiance data
- Implementation of a Hidden Markov Model in tensorflow using python