

# Max Gebhard

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## COMPUTER SKILLS

*Programming Languages:* Python, LaTeX.

*Libraries:* Pandas, Numpy, BeautifulSoup.

*Data Visualization tools:* Matplotlib, Plotly-Dash.

*Machine Learning/Algorithms:* Scikit-Learn, Tensorflow-Keras.

*Deployment:* Git, Heroku, Gunicorn.

## PROJECTS

*Gamma Ray Spectroscopy* Senior Project  
Research on the energy spectra of gamma radiation emitted from radioactive nuclei.

*Data Science Projects/Applications*

- Random Forest Classification of Gamma and Hadron Particles
- Regression Analyzer for S&P 500 Securities
- CNN Classifier of Semi-Conductor Wafers

See Github for all projects: [github.com/mjg338](https://github.com/mjg338)

## WORK EXPERIENCE

*Center Stage Productions* Summer 2019  
Fairlawn, NJ

Exposure to RhinoCam. Projects typically involved producing custom objects for exhibits using a process of 3D rendering and machine tool pathing within RhinoCam, followed by materials selection and then oversight on in-shop machine execution of the designs.

## EDUCATION

*Bachelor of Science, Applied Physics*  
Rutgers University, New Brunswick, NJ, 2020  
Concentration: Nuclear Radiation

*Metis Data Science Bootcamp*  
New York, New York, 2020