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|  | **Anjali Taneja**  at1112@georgetown.edu  Phone: (703) 298-6285 |  |

Strong passion for using technology to drive positive changes. Clear communicator with experience explaining complex topics to both technical & non-technical audiences. 3+ years of experience with Python, R, Java, and software applications across multiple industries and academic fields including bioinformatics, geosciences, and health economics.

**EDUCATION**

**Georgetown University,** Washington, D.C. May 2021  
 M.S. in Data Science

*Relevant Coursework*: Machine Learning; Optimization; Data Structures, Objects, Algorithms; Statistical Learning; Optimization; Data Visualization; Data Communication; Microeconomics; Policy Issues of Big Data and Artificial Intelligence

**Princeton University**, Princeton, NJ June 2016

A.B. in Geosciences (Environmental Biogeochemistry)

*Relevant Coursework*: Physics for Engineers; Calculus; Geochemistry; Computer Science; Astrobiology; Electromagnetism; Water Pollution Technology

**Thomas Jefferson High School for Science and Technology (TJHSST)**,Alexandria, VA June 2012

National Merit Scholarship Finalist (2012)

Intel STS Semifinalist (2012)

**SKILLS**

**Programming:** Python, R, Java, STATA

**Data Science:** Data mining (Pandas, Numpy), Visualization (matplotlib, Seaborn, GeoPandas), Scientific Computing (sciPy, scikit-learn),

APIs, Classification, Image Processing, Optimization, Regression  
 **Other:** Git and Version, Docker/Container, AWS, ArcGIS, LaTex, Jupyter Notebooks, Unix, HTML/CSS

**RELEVANT EXPERIENCE**

**Axle Informatics**, Washington, D.C.July 2020 – present

Data Scientist (Trainee)

* Implemented software tools to assist immunologists at the National Center for Advancing Translational Sciences (NCATS, National Institutes of Health) with harnessing & analyzing petabytes of image data to derive meaningful scientific insights.
* Improved pipelines for utilizing image processing software on cloud service called Polus

**Georgetown University**, Washington, D.C. May 2019 – November 2019  
 *McCourt School of Public Policy*  
 Research Assistant

* Developed databases and relevant insights on physician ownership claims data used in health economics and policy proposals providing evidence for reducing costs of treatment for early-stage patients diagnosed with Ductal Carcinoma In Situ (Stage 0 Breast Cancer).

**Howard Hughes Medical Institute (HHMI)**, Bethesda, MD 2017 – 2018

*Janelia Research Campus*

Bioinformatics Analyst

* Developed software plugins supporting neurobiological research which increased the efficiency of training deep neural networks by 25%. This tool was effective in automatically recognizing specific cell pathologies in humans, potentially improving early-stage disease prognosis.

**National Institutes of Health**, Bethesda, MD June 2016 – 2017

*National Human Genome Research Institute (NHGRI)*

*Intramural Research Training Award (IRTA) Fellow*

* Produced models for analyzing patient data (medical imaging, clinical labs) based on outcome measures dictated by FDA-regulated protocols. Drafted & published 3 research publications on the use of Volumetric MRI as an outcome measure in clinical trials.

**Princeton University**, Princeton, NJ February 2015 – June 2016

**Environmental Defense Fund**, New York, NY

*Program in Science, Technology, and Environmental Policy (STEP), Woodrow Wilson School, Geosciences Department*

*Researcher*

* Created statistical models to describe climate-agriculture-migration relationships in Sub-Saharan African countries. Product was integrated in policy proposals shaped by scientists and staff economists at the Environmental Defense Fund (EDF).

**ACTIVITIES**

* Jazz Composer, Vocalist (Kennedy Center Millennium Stage: Fall 2019, Strathmore Artist-in-Residence program: Fall 2018 – Spring 2019, Princeton University Jazz Ensemble: 2012 – 2016)