

Caroline Williams

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PROFESSIONAL EXPERIENCE

NASA DEVELOP National Program, Science Systems and Applications, Inc.

Pop-Up Fellow, Remote

Jan 2022 – Present

- Supervise teams and ensure project are executed over the course of 10-week terms
- Coordinate with science advisors, partners, the National Program Office, to generate project ideas, and write project proposals

Project Lead, NASA MSFC, Huntsville, AL

Sept 2021 – Nov 2021

- Generate a case study analysis on Hurricanes Eta and Iota utilizing NASA SERVIR's HYDRAFloods Tool and Google Earth Engine Python API
- Lead a team of five individuals facilitating communication with partners, fellows, and science advisors

Team Member, NASA GSFC, Greenbelt, MD

June 2021 – Aug 2021

- Developed an NDVI forecasting model in Google Earth Engine JavaScript API
- Collaborated with an interdisciplinary team, international partners, science advisors, and fellows pertaining to the success of the research project
- Co-received NASA DEVELOPer of the Term Award due to collaboration efforts

Clark Labs, Clark University

Remote Sensing Research Assistant, Worcester, MA

Jan 2020 – June 2021

- Produced Pond Aquaculture raster data using Multilayer Perceptron and Mahalanobis Typicalities machine learning image classification methods in TerrSet
- Developed land cover change prediction and vulnerability maps for 11 countries and one continent using Land Change Modeler in TerrSet for the year 2050

Technical Support, Worcester, MA

Jan 2020 – June 2021

- Resolved technical issues relating to using, downloading, installing, and activating IDRISI software through ticket requests, by supporting 350+ number of users
- Solved user errors by managing license information and providing clear instructions and resources to solutions

Software Tester, Worcester, MA

Sep 2019 – Jan 2020

- Tested 20+ number of modules and applications in the geospatial software, TerrSet
- Detected errors and wrote detailed bug reports to facilitate reproducibility for the GIS Programmer by noting the conditions that initially produced the bug

TECHNICAL SKILLS

R | Python | JavaScript | HTML | CSS | TerrSet | ArcGIS | Google Earth Engine | GitHub

EDUCATION

Master of Science in Geographic Information Science

May 2020 - June 2021

Clark University, Worcester, MA

Received full scholarship due to academic excellence performed in undergraduate program

Bachelor of Arts in Environmental Science

Aug 2016 - May 2020

Clark University, Worcester, MA

summa cum laude, High Honors in Environmental Science, Dean's List all semesters