

ANDERSON BANIHIRWE



EDUCATION

2018
|
2014



B.S., Computer Systems Engineering
University of Arkansas at Little Rock

📍 Little Rock, AR



PROFESSIONAL EXPERIENCE

present
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2020-10



Software Engineer II
National Center for Atmospheric Research

📍 Boulder, CO

- Created jupyter-forward⁷, a Jupyter Lab port forwarding utility that simplifies running jupyter on remote resources.
- Served as a core developer of xarray, an open source library for working with multidimensional labeled datasets and arrays in Python.

2020-9
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2018-10



Software Engineer I
National Center for Atmospheric Research

📍 Boulder, CO

- Led the intake-ESM project, a Python data cataloguing package for exploring and ingesting earth system model data sets.
- Contributed to the core software stack powering the Pangeo Project. Some of the projects I contributed to include: xarray, dask.
- Assisted with the development and deployment of live (virtual or in-person) and online/self-paced education material.

2018-09
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2018-05



Software Developer Intern
Quansight

📍 Austin, TX

- Developed xndframes², a Pandas ExtensionDtype/Array backed by xnd³, a container type that maps most Python values relevant for scientific computing directly to typed memory.
- Worked on integrating cuDF⁴ - GPU dataframe library with Apache Arrow⁵ library.

2017-08
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2017-05



Research Intern
National Center for Atmospheric Research

📍 Boulder, CO

- Developed spark-xarray⁶, a Python package that integrates PySpark and xarray for climate data analysis.



SELECTED PUBLICATIONS, POSTERS, AND TALKS

2020-11

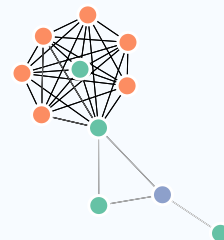


Cloud-Native Repositories for Big Scientific Data⁷
Computing in Science and Engineering
• Authored with Ryan Abernathey, Tom Augspurger, et al.

2020-10



Pangeo Use Case: Analyzing Initialized Climate Prediction System Datasets with climpred⁸
NOAA's 45th Climate Diagnostics & Prediction Workshop 📍 Online
• Invited talk about climpred⁹, a Python package for weather and climate forecasts.



View this CV online with links at
cv.andersonbanihirwe.dev

CONTACT

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