# William Norris

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## **Employment History**

2017 – · · · · Data Harmonization Intern, Earth Lab Employing data driven techniques to spatial temporal Earth science problems. Involves big data work-flows, open source python development, machine learning, and collaborative data science.

**Eco Rep Program Coordinator** Coordinated group of 30 student leaders each year to encourage sustainable living practices in Residence Halls. Involves managing budgets, organizing groups, year long curriculum development, event planning, strategic planning.

2017 – 2018 ■ **Lab Assistant, Statistics for Geography** Teach students about using R for spatial-temporal analytics. Aid in understanding basic statistics and R programming.

## **Education**

2014 – 2019 ■ Computer Science BA, University of Colorado, Boulder

■ Geography BA, University of Colorado, Boulder Cumulative GPA: 3.9

2016 – 2018 ■ GIS Certificate, University of Colorado, Boulder

# **Programming Languages**

Proficient Python, R, SQL, XML/XSL, LATEX.

Familiar  $\blacksquare$  Matlab, C + +, C, Objective-C, Swift, Visual Basic, HTML, CSS, Javascript.

Databases | Hadoop, MySQL, PostgreSQL, SQLite, Globus.

GIS ArcGIS, QGIS, Open Source GIS Python/R Workflows.

### **Skills**

Programming Big Data Pipelines, Python Library Development, Implementing Neural Networks in Python, AWS EC2.

Data Science Quantitative Methods, Big Data Mining, Machine Learning, Spatio-Temporal Analytics, Data Warehousing.

Misc. ■ Academic research, Teaching Python/R Programming.

#### References

Available on Request