

APRIL WALKER

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🔗 aprilwalker.io

🐙 github.com/aprilcotwut

WORK EXPERIENCE

Teaching Assistant

University of Arkansas

📅 Aug. 2018 - May 2020

📍 Fayetteville, AR

Math Department

Developed and taught biweekly lessons in Calculus, tutored students in various math courses, and assisted professors in proctoring and grading exams.

Data Science Intern

The Hartford

📅 May 2019 - Aug. 2019

📍 Hartford, CT

- Collaborated on Python based "Proof of Concept" to determine the predictive power of third party datasets.
- Developed R codebase to explore and compare the performance of dimension reduction and feature selection techniques.
- **Skills used:** R, Python, h2o.ai, Jupyter, Excel, Bash, Github, PySpark, Hadoop, regression analysis, machine learning, predictive modeling, communicating results with technical and non-technical audiences, data processing, Agile development

Big Data Engineer Intern

L3-Comcept

📅 Jun. 2017 - Aug. 2017

📍 Rockwall, TX

Developed a new Apache Maven library using Java and SQLite and used Akka to integrate a Scala Rest API into an existing Java project.

RESEARCH EXPERIENCE

University of Arkansas

📍 Fayetteville, AR

📅 Oct. 2018 - Aug. 2019

Dr. Cheng's Climate Science Lab

Utilizing various statistical inference methods with a focus on the Bayesian approach to predict extreme temperature events with nonstationary models in R.

📅 Aug. 2016 - Dec. 2018

Dr. Lehmer's Astrophysics Lab

- Participated in various collaborative and personal projects related to x-ray binary research utilizing Python, Bash, Tcl, and R in conjunction with astronomical software (CIAO and XSPEC).
- Gained experience pre-processing, binning, and visualizing noisy datasets using standard Python libraries.

EDUCATION

University of Arkansas

📍 Fayetteville, AR

Masters of Science

📅 June 2020

- Field: Statistics and Analytics
- GPA: 3.824
- Relevant Coursework:
 - Machine Learning
 - Natural Language Processing
 - Computational Statistics
 - Statistical Inference
 - Regression Analysis
 - Numerical Analysis
 - Numerical Linear Algebra

Bachelor of Science

📅 May 2018

- Major: Physics
- Concentration: Computational Physics
- Minor: Mathematics

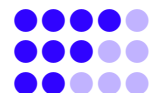
TECHNICAL SKILLS

Programming Languages

R, Python, SQL

MATLAB, Java, C/C++, SAS

Scala



Big Data/ ML Technologies

h2o.ai

Hadoop, Spark, Scikit-Learn

TensorFlow



Other Technical Skills

GNU/Linux

Excel/VBA, Jupyter, Bash/Shell

git, Vim

AWS

