

Candice R. Withrow

candice.withrow@gmail.com

SUMMARY

- Entry level Python developer with 1.5 yrs experience working with data
- Experienced with popular tools (Pandas, Jupyter, SQL, AWS, Spark)
- M.S. in Computer Science, B.S. in Physics

SKILLS

Languages

- Python, Pyspark, SQL

Toolset

- Pandas, Jupyter, SQL databases, AWS, Apache Spark, Github

General

- Research, databases, data extraction/standardization, scripting, documentation

TECHNICAL EXPERIENCE

SolarStory | Austin, TX | May 2017 – October 2018

Data Scientist

- Core member in early days of small startup working with residential solar installation data
 - Researched data sources and designed database
 - Contributed significantly to feature development and site content
- Responsible for entire data pipeline:
 - Extracted (mostly APIs, some web scraping) and standardized structured data; managed in Vertica dbms
 - Using Python, built cost estimation tools, summary metrics, and other data insights for static API for website
 - Used Apache Spark on AWS EC2 instances as needed for data cleaning

EDUCATION

M.S., Computer Science, August 2016

Sam Houston State University, Huntsville, TX

GPA: 4.0 on a 4.0 scale

Courses in: Data Mining, Data Science, Data Forensics, Artificial Intelligence

Major projects:

- Master's project- "Analyzing Astronomical Data Using Apache Spark"
 - Explored Pyspark's ability to handle problems involving complex math
- Software Engineering project- SAFE!
 - Mobile application for an increasingly common food allergy
 - Designed entire concept and database; wrote or oversaw all documentation

B.S., Physics, May 2008

Sam Houston State University, Huntsville, TX

Graduated Magna Cum Laude, GPA: 3.68 on a 4.0 scale

- Ronald E. McNair Post Baccalaureate Achievement Program scholar
- Recipient of Earl S. Burrough Scholarship, 2006 – 2008

Graduate Studies, Engineering, 2011 – 2012

Colorado State University, Fort Collins, CO

Concentration: Mechanical Engineering

Courses in: Advanced Fluid Mechanics, Mechanics of Materials, Alternative Energy