Chris North

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QUALIFICATIONS

- Python - Pandas, Numpy, API data collection, data cleaning, visualization
- R - Statistical analysis, R Markdown, visualization, predictive modeling, forecasting
- Business Intelligence – Tableau, Power BI, SQL
- Machine Learning - Regression, classification, forecasting, clustering, image compression, network graphing, boosting, dimensionality reduction
- Credentials - Six Sigma Yellow Belt, BPI Building Analyst, HERS Rater, LEED Green Rater, OSHA 10

EDUCATION

MS, Analytics   **August 2019 - Present**
Georgia Institute of Technology   *Atlanta, GA*

BS, Sustainable Technology   **August 2010 – May 2014**
Appalachian State University   *Boone, NC*

DATA PROJECTS

Mushroom Classification – Trained and tuned machine learning models to eliminate risk of mushroom misclassification.

Chess Data Exploration – Connected to a public API to gather chess game data in JSON format. Cleaned and analyzed using Python to collect insights into beginner level gameplay.

WORK EXPERIENCE

Technical Project Manager   **July 2016 – February 2020**
Southface Energy Institute   *Atlanta, GA*

- Managed budgets, invoicing, and demand forecasting for multiple programs using Salesforce
- Supported the development of a Salesforce app designed for home energy professionals
- Provided energy modeling, design, and consulting services to certify LEED multifamily projects
- Managed field data collection for a Department of Energy research grant
- Analyzed architectural, mechanical and civil plans for program compliance

Energy Data Associate   **May 2015 - July 2016**
Southface Energy Institute   *Atlanta, GA*

- Developed an Excel tool to collect and track construction data for Department of Energy grant research
- Collected and cleaned data from hundreds of home energy inspections
- Recruited builders to participate in grant research via email, phone, and in-person meetings

LEED Intern   **October 2014 - April 2015**
Southface Energy Institute   *Atlanta, GA*

- Led tours of a high-performance office building
- Created process-flow models to streamline LEED documentation review

Sustainability Intern   **August 2013 - August 2014**
ASU Office of Sustainability   *Boone, NC*

- Collected and analyzed energy data for the University's Greenhouse Gas Inventory, which was published and referenced for campus wide sustainability certification
- Researched the feasibility of a voluntary carbon offset program which was implemented, exceeding expectations with 15% participation in the first year

Sustainability Intern   **June 2013 – August 2013**
ASU Energy Center   *Boone, NC*

- Researched ASU as a case study for sustainability efforts in higher education
- Compiled waste stream and financial data from Municipal Solid Waste Management plans of counties in western NC to analyze the viability of a waste-to-energy facility