

Josh Arford

Senior Data Developer

arfsci.com

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EDUCATION

Appalachian State University Boone, NC May 2020
Bachelor of Science in Mathematics
Minor: Economics, Statistics
GPA: 3.69

Asheville-Buncombe Technical Community College, Asheville, NC May 2018
Associate in Arts
GPA: 3.42

RESEARCH EXPERIENCE & INVOLVEMENT

Appalachian State University Boone, NC August 2018 - August 2020

- Conducted research with COVID-19 data. Used Linear Regression, Logistic Regression, and Classification
- Presented bi-annual deliverables to report progression of research development to professors
- Appointed research leader by professors in August 2019

S-STEM Program August 2018 - May 2020

- Attended weekly seminars with fellow S-STEM scholars, including leadership workshops and lectures given by highly accredited researchers in STEM fields

WORK EXPERIENCE

CSCI Consulting – Deloitte Partner Remote, USA

Data Developer September 2022-May 2023
Senior Data Developer May 2023 -Present

- Work with our client (D.O.D.) by leveraging Databricks to automate data pipelines and dashboards
- Responsible for end-to-end creation of data analysis software packages. This includes development, testing, and production phases
- Train junior developers in Python, SQL, and Databricks
- Implement various time forecasting techniques to predict future data trends and anomalies

State Employees Credit Union Raleigh, NC June 2021 – September 2022

Investment Data Analyst

- Implemented Naïve Bayes and K-Means Clustering models with customer loan data using Scikit
- Writing Visual Basic code for file reading, data cleaning, and data visualization in Excel
- Used JavaScript for data validation in Adobe Acrobat

21st Mortgage Knoxville, TN June 2020 – June 2021

Data Analyst

- Wrote python code for automated visualizations, reports, and data cleaning
- Used Excel and Tableau to create dashboards with loan data

Appalachian State Sports Analytics Boone, NC August 2019 –June 2020

Data Analyst Intern

- Developed an application to give automated daily reports on heart monitor data using R
- Used R to display data in visualizations such as histograms, heatmaps, and pie charts
- Cleaned and manipulated data frames using R

EXPERTISE

- 6 years of professional experience conducting data analysis
- Experience implementing data science and machine learning techniques
- Proficient in Python for data science (NumPy, Pandas, Matplotlib, etc.)
- Proficient in R, Access, Excel, Visual Basic, and PowerPoint
- 3 years' experience writing SQL queries
- Certified in Sports Analytics and Leadership through ASU