

EDUCATION

University of North Carolina at Chapel Hill, Kenan-Flagler Business School – Chapel Hill, NC
Bachelor of Science in Business Administration

May 2021

- GPA: 3.74
- Marvin B. Smith, Jr. Memorial Merit Scholar – covered 50% of all college costs

EXPERIENCE

Health Data Visuals – Chapel Hill, NC

July 2025 – Present

Health Data Visuals is an interactive web platform that transforms complex public health data into accessible visualizations

Founder

- Designed and deployed a full-stack web application integrating a React.js frontend with a Flask backend, enabling interactive user-driven health data exploration and dynamic visualizations.
- Built and managed a custom PostgreSQL database on AWS RDS containing 10,000+ NHANES public health survey files, including custom table schema generation and automated ETL pipelines in Python.
- Engineered an end-to-end ingestion pipeline to parse, validate, transform, and load complex DAT/XPT files, automating dataset harmonization across 20+ years of survey cycles and 5+ health categories.
- Developed secure REST APIs using Flask to serve dynamic queries, expose metadata, and connect the frontend to underlying data and AI analytics modules.
- Integrated OpenAI's GPT API to deliver real-time language analysis and insights based on user-defined filters and health data subsets.
- Hosted and configured infrastructure on AWS (RDS, EC2, VPC, security groups), enabling secure access, performant querying, and cloud-native architecture deployment.
- Implemented responsive data dashboards in React to visualize key health metrics and trends, improving accessibility for non-technical users.
- Managed full project lifecycle, from data wrangling and API design to frontend development and cloud deployment — delivering a scalable, production-ready health analytics platform.

Independent Data Analyst and Caregiver – Chapel Hill, NC

November 2022 – June 2025

Continued advancing technical skills while being a full-time caregiver for parents

- Designed and deployed a cloud-based PostgreSQL database on AWS containing 20 years of NBA data which I connected to Power BI and Tableau to create dynamic visualizations of player career trajectories
- Engineered machine learning models using gradient boosting regression to forecast 2024 NBA award outcomes (e.g. MVP, Rookie of the Year), and built interactive Tableau dashboards to compare player performance

Fission Consulting – Chapel Hill, NC

September 2021 – September 2022

Fission Consulting is an IT data migration consulting start-up focused on M&A projects

Founder

- Led client-facing discovery sessions to define migration scope and business rules
- Extracted ERP data via SAP queries for carve-out and transformation initiatives
- Increased transformation efficiency 5× and reduced cutover time by 87.5% by automating interdependent workflows with data pipelines
- Designed reusable field mapping and transformation logic frameworks, automating 70% of standard conversions
- Co-developed a standardized Python codebase, boosting onboarding and cross-team productivity
- Wrote Python scripts using Pandas and NumPy to transform large client datasets for ERP readiness
- Built and maintained dashboards, grids, and project reporting tools using Smartsheet
- Investigated and resolved root causes of data load failures during test migrations
- Trained and mentored new hires, including a consultant and data migration lead
- Authored comprehensive documentation on migration scope, logic, and stakeholder alignment

SKILLS

Languages & Technical Tools: Python, SQL, Tableau, Excel (PivotTables, Power Query, Lookups), Smartsheet

Libraries: Pandas, NumPy, scikit-learn

Strengths: Data Analysis, Workflow Automation, Client Engagement, Team Leadership, Project Management