

# Ali Nix

## Data Analyst

Denver, CO | [anix8605@gmail.com](mailto:anix8605@gmail.com) | (330) 714-4075  
[LinkedIn](#) | [GitHub](#) | [Web Portfolio](#) | [Design Portfolio](#)

### SKILLS

**Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Plotly, Tableau, Excel, Google Sheets

**Programming & Data Languages:** Python, SQL, JavaScript, TypeScript, SAS

**Databases & Query Tools:** PostgreSQL, Knex.js, BigQuery, Snowflake, Firebase, REST APIs

**Data Skills:** Data Cleaning, ETL Pipelines, Statistical Analysis, Predictive Modeling, Dashboard Creation, Data Storytelling, Business Intelligence

**Tools & Technologies:** Git, GitHub, Jupyter Notebook, VS Code, AWS (EC2), Pytest, Figma, Miro, Jira, npm

**Web Development:** React, Node.js, Express, HTML5, CSS3

**Soft Skills:** Cross-functional Collaboration and Communication, Research, Problem Solving, Attention to Detail, Agile/Scrum

### EDUCATION

**Master of Public Health (MPH), Biostatistics**  
*Kent State University*

**Bachelor of Arts, Psychology**  
*University of Maine at Farmington*

### CERTIFICATIONS

- Data Science Certificate, General Assembly
- AWS Certified Cloud Practitioner, Amazon
- UX Design Certificate, Google
- Front End Engineering Certificate, Turing School of Software & Design

### EXPERIENCE

**Product UX Designer, Freelance, Remote**

*Jul. 2025 - Present*

- Led end-to-end UX design process for spiritual platform, delivering user personas, journey maps, wireframes, mockups, and interactive prototypes for healers, mystics, and spiritual entrepreneurs.
- Designed MVP user experience for social co-creation platform, conducting stakeholder interviews, analyzing user feedback, and creating user flows and wireframes for collaborative skill-sharing web application within a 2-week sprint.
- Conducted UX audit and redesign of holistic health e-commerce app through competitor analysis and usability heuristics, implementing evidence-based improvements to streamline navigation, product discoverability, and checkout flow.

**Data & Software Engineering Intern, [Health Equity Tracker](#), Remote**

*Nov. 2023 - Present*

- Built ETL data pipelines using Python and Pandas to extract, transform, and load maternal mortality data from multiple sources into BigQuery, streamlining data processing and analysis workflows.
- Queried BigQuery data using SQL to identify health disparities across demographic groups and inform policy decisions.
- Calculated age-adjusted maternal mortality ratios using epidemiological methods to identify racial and ethnic health disparities and inform policy decisions for at-risk populations.
- Refactored data visualizations from Vega to D3, reducing dependencies by 8.6% and package size by 30%, improving performance and enabling policymakers and researchers to interpret health equity metrics more effectively.
- Integrated new public health datasets via React/TypeScript frontend, enhancing data visibility and accessibility.
- Developed automated end-to-end test scripts using Playwright for nightly test runs and unit tests with Pytest to ensure application functionality and code quality.
- Collaborated cross-functionally with the team regarding engineering requirements and data pipeline needs to ensure data tracking product aligned with client goals.

**Frontend Engineering Intern, [The Commons XR](#), Remote**

*Jan. 2024 - Jul. 2024*

- Integrated Google Analytics to track user behavior and support data-driven decisions on retention and engagement.
- Developed 8 responsive UI features using React and Material UI to enhance the accessibility and presentation of mental health and educational resources for XR behavioral analytics platform.
- Streamlined PowerPoint conversion process using Python and Azure Functions API, eliminating manual uploads and enhancing data integrity and operational efficiency.

**Code Coach, [theCoderSchool](#), Centennial, CO**

*Mar. 2023 - Jan. 2024*

- Instructed 3-4 individuals on how to code with a 2:1 teaching ratio and an individualized curriculum.

- Increased students' learning progress in Python, JavaScript, or Scratch by 50 points from baseline through interactive learning, app development, and concept reviews.

**Data Science Intern, Optfit LLC, Denver, CO**

*May 2018 - Oct. 2018*

- Prepared and preprocessed text-based data for statistical modeling and machine learning as part of text editor demo.
- Built thesaurus word recommender using Python and SpaCy for Natural Language Processing (NLP) on an open-source text corpus to improve vocabulary, clarity, and concision in English writing.
- Partnered with machine learning engineers and a data analyst to analyze and report F-score evaluation metrics for classification models, helping optimize the precision-recall tradeoff.

**PROJECTS**

**Holistic Health Haven, Solo Project, [Repo Link](#), [Deployment](#)**

*Jan. 2025 - Nov. 2025*

- Developed a full-stack e-commerce platform for holistic health products using PERN stack, Stripe, and TypeScript; implemented WebP image optimization that reduced file sizes by 98.9% and improved Lighthouse performance from 72 to 94.
- Reduced application bundle size by 14% (564 KB to 486 KB) through code splitting and optimization, improving load times and user experience.
- Deployed backend API to AWS EC2 with PostgreSQL, PM2, and Nginx reverse proxy, and React frontend to Vercel; configured SSL certificates, custom domain routing, and security groups for production-ready HTTPS access.

**Software Developer Apprentice, makeitMVP, Remote**

*Sept. 2024 - Oct. 2024*

- Optimized Firebase/Firestore backend by refactoring and documenting reusable functions, reducing backend complexity by 25% and accelerating development efficiency.
- Developed responsive React features through close designer collaboration and Context API implementation, enhancing application state management and user experience.

**Volunteer Frontend Developer, [Ashoka](#), Remote**

*Mar. 2024 - Jun. 2024*

- Led end-to-end development of Strategy Inspiration Bot MVP, creating Figma wireframes and implementing as a React single-page application with Material UI.
- Integrated React frontend with Flask backend and OpenAI API through RESTful requests, enabling AI-powered chatbot functionality for social entrepreneurs exploring strategic frameworks.