

Ali Nix

Data Analyst

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[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.