

Lee Charles

Software Developer & Data Analyst

Austin, AR | leecharlesdev.portfolio@gmail.com | leecharlesdev.com

Currently pursuing a Master's in Data Analytics with a strong foundation in IT and Software Development

Skills

Languages: JavaScript, Java, Python, SQL, HTML/CSS

Frameworks/Libraries: React, JavaFX, Chakra UI, FastAPI

Tools & Technologies: Git, GitHub, PyInstaller, Inno Setup, MariaDB, RESTful APIs, Responsive Web Design

Internships, Contracts, and Work

Pittsburgh Doors and Closets – Frontend Web Developer – 3-month Internship (2024)

Tech Stack: React, JavaScript, HTML, and CSS.

Tasks: Visual overhaul, bug fixes, React SEO, documentation, and project management.

UAMS | Software Tool – “TSC: Public Folder Index”

Title: IT Associate

Dates: 2023 - Current

Tech Stack: Python, CustomTkinter, and VBA.

About: Developed a custom Python GUI application to query 7,800+ paths and 65,000+ contacts. Reduced query time from about 5 minutes to <1 second and implemented automated VBA index updates. This relies on the automated data pipeline created to update the index weekly using VBA. Created an Inno Setup installer for easy deployment, enhancing productivity in the UAMS IT environment.

Projects

ReformatIT | Portfolio Project

About: Built a full-stack web application for image format conversion using React, Chakra UI, Python, and FastAPI. Hosted on Google Cloud Run using Docker and a deploy.yml script for automated deployments. Implemented user-friendly interface with responsive design and dark mode. Integrated Pillow for handling multiple image format conversions.

Ollama Chat App | Portfolio Project

About: Developed a Python-based chat interface for Ollama LLMs with customtkinter. Implemented asynchronous operations and customizable model selection.

Personal Portfolio Website

About: Designed and developed a responsive portfolio website using React.js and Chakra UI. Showcased personal projects and utilized GitHub Pages.

Education

Master of Science in Data Analytics (In Progress) – GPA: 4.0

Capella University, Expected Graduation: September 2025

Bachelor of Science in Information Technology, Minor in Software Development – GPA: 3.85

Capella University, Graduated: June 2024