Lee Charles
Software Developer & Data Analyst

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Graduate student 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

Projects

TSC: Public Folder Index | For UAMS
- 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

ReformatIT | reformatit.com
- 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
- Developed a Python-based chat interface for Ollama LLMs with customtkinter
- Implemented asynchronous operations and customizable model selection

Personal Portfolio Website
- Designed and developed a responsive portfolio website using React.js and Chakra UI
- Showcased personal projects and utilized GitHub Pages for hosting

Education

Master of Science in Data Analytics (In Progress)
Capella University, Expected Graduation: September 2025

Bachelor of Science in Information Technology, Minor in Software Development
Capella University, Graduated: June 2024