Ramtin Seyedmatin

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EDUCATION

University of Kentucky   **Lexington, Kentucky**

Bachelor of Computer Science   *Expected Graduation, Dec 2026*

Related Coursework: Design of Logic Circuits, Web Programming, Data Structures and Algorithms, Systems Programming, Engineering Statistics, Databases

SKILLS

Languages: Python, C/C++, JavaScript, HTML, CSS, SQL, MATLAB

Frameworks & Libraries: React.js, FastAPI, Pandas, jQuery, Tailwind

Tools: AI, Git, SQLite, Linux, Jupyter Notebook, Node.js, Visual Studio Code, Arduino

EXPERIENCE

Xerox (formerly Lexmark International)   **Lexington, Kentucky**

Web Development Intern / Part-Time Student Worker   *June 2025 – Present*

- Implemented front-end features and UI fixes using **HTML**, **CSS**, **JavaScript,** and **jQuery** integrated with **Dynamics 365**, improving functionality and responsiveness.
- Developed 140+ reusable **HTML/JavaScript** components integrated with **Dynamics 365**, accelerating content deployment, ensuring consistent UI, and enabling multilingual support.
- Collaborated with cross-functional teams to deliver features, resolve defects, and ensure business and accessibility compliance.

University of Kentucky   **Lexington, Kentucky**

Computer Science Research Intern   *May 2024 – August 2024*

- Analyzed Uber/Lyft ride-hailing data using Alex Mucci's Transportation Network Company (TNC) Demand Model under Dr. Gregory Erhardt's guidance
- Optimized datasets, processing 6,000+ records using **Python (Pandas)** for sourcing, cleaning, and validation to ensure model accuracy.
- Analyzed and visualized ride-hailing demand data across 80 census tracts, identifying critical patterns that informed internal research strategies to improve service deployment efficiency within urban areas.

PROJECTS

Habit Tracker | *Python, FastAPI, SQL, React.js, Git, HTML, Tailwind CSS*   *January 2025 – Present*

- Engineering a full-stack web application with a responsive user interface using **React.js** and a **RESTful API** built with **FastAPI** to allow users to track and manage their own habits for self-improvement
- Engineered a scalable **SQLite** database to optimize storage and management of user habits and clusters, enhancing data retrieval efficiency and improving seamless tracking.
- Utilized **AI (ChatGPT 5.2)** to improve development efficiency, optimize existing software, and assist with debugging.

Portfolio Website | *React, Tailwind CSS, JavaScript, Git*   *December 2025*

- Built a fully responsive portfolio using **React** and **Tailwind CSS** with light/dark mode and reusable components.
- Implemented smooth page transitions, animation layers, and a structured navigation flow to improve user experience and engagement.
- Utilized **AI (Gemini 3)** to accelerate rebuilding my portfolio website, refactoring and making AI-generated content production-ready.

TNC Demand Model Southeast | *Python, Pandas, QGIS, Git*   *May 2024 - August 2024*

- Engineered and optimized **Python** (**Pandas)** scripts to clean, process, and validate 6,000+ records for ride-hailing demand modeling.
- Utilized Quantum Geographic Information System (QGIS) to create detailed geospatial visualizations highlighting demand patterns.

NON-TECHNICAL EXPERIENCE

Home Depot   **Lexington, Kentucky**

Appliances Sales Associate/Cashier   *March 2023 – Present*