JAKE ROGERS

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GitHub: github.com/rakejogers | Portfolio Website: jakerogers.dev

EDUCATION

UNIVERSITY OF KENTUCKY   Lexington, KY
Bachelor of Science   Expected May 2027
    Major in Computer Science – 4.00 GPA
    Relevant Coursework: Discrete Math, Intro to Program Design (C++), Into to Software Engr Techniques (Linux)
    Involvement: Association for Computing Machinery Member, Green Energy Club Member

CODING PROJECTS

FACTIFY - https://github.com/ImNateBerry/Factify ([Link](#))   May 2024 – June 2024
Chrome extension built in 24 hours for CatHacks XI which won first overall. Combats misinformation by fact checking claims made on the internet giving them a truth and bias score while providing relevant sources.
- Languages/Frameworks: HTML/CSS, JavaScript
- Challenges: Mastered and deployed a Chrome extension in 24 hours to win 1st place overall.

Scholar Seats – scholarseats.com ([Link](#))   Oct 2024 – Present
Developed a student-focused ticket exchange platform allowing verified users to buy and sell tickets directly. Integrated features for secure authentication, ticket filtering, and a reputation system for trusted transactions.
- Languages/Frameworks: Next.js, Typescript, Pocketbase, SQLite
- Challenges: Implemented secure HTTPS for API calls and researched user-friendly monetization strategies.

Snake Game Neural Network – github.com/rakejogers/snake_game_ai ([Link](#))   July 2024 – Aug 2024
Implemented an AI agent that learns to play the classic Snake game using deep reinforcement learning. The agent is trained using a neural network to maximize the score by avoiding obstacles and consuming food.
- Languages/Frameworks: Python, PyTorch
- Challenges: Developed a persistent data-saving model to iteratively train the AI and achieve a higher score.

WORK EXPERIENCE

SOIDEM DATA TECHNOLOGIES STARTUP   Barcelona, Spain
Software Engineer Intern   June 2025 – July 2025
- Engineered a full-stack version control system to manage and track changes across 500+ client Splunk dashboard pages, improving data integrity.
- Developed an 11-page dashboard using Next.js/React, which was adopted as the primary interface for the company's version control product used by 5+ enterprise clients.
- Worked in a highly collaborative, international team environment, maintaining a legacy Splunk codebase while actively contributing to its migration to a modern tech stack.

UNIVERSITY OF KENTUCKY INNOVATION CENTER   Lexington, KY
Engineering Prototyping Guide   Aug 2024 – Present
- Collaborated with 30 other peers to run the university's engineering makerspace.
- Guided students in the design and prototyping of engineering projects using advanced tools and software.
- Provided hands-on assistance with 3D printing, laser cutting, CNC machining, and other fabrication techniques.

TECHNICAL SKILLS & CERTIFICATIONS

Languages: Python, JavaScript, TypeScript, C++, HTML/CSS, MATLAB; **Frameworks & Libraries:** Next.js, React, React Native, Expo, PyTorch**; Tools & Other:** Git, AutoCAD, Linux, Familiar with Splunk; **Awards:** CatHacks XI First Overall, Governor's Scholar Program 2022