

Brinly Jaja

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Summary

Computer Engineering student with hands-on experience in software development and a strong interest in AI technologies. Demonstrated proficiency in Python and web development through academic projects and a recent AI workflow automation externship. Adept at turning complex challenges into efficient, production-ready solutions while collaborating in fast-paced environments.

EDUCATION

UNIVERSITY OF OKLAHOMA

Aug 2026

Bachelor of Engineering, Computer Engineering

- **Coursework:** Introduction to programming, Programming structures and abstractions, data structures, Discrete structures

WORK EXPERIENCE

UNIVERSITY LIBRARY INFORMATION SYSTEM.

Nov 2023 - Present

Student employee

Norman, OK

- Managed metadata using digital archiving standards such as Dublin Core, enhancing searchability and integrating effective backend systems.
- Operated and maintained high-resolution scanning equipment and image correction software (e.g., SilverFast, Photoshop) to produce archival-quality digital materials while employing robust technical problem solving.
- Enhanced digital artifacts with Adobe Lightroom and Illustrator, ensuring visual consistency and supporting structured, maintainable workflows.

Outamation

May 2025 - Jul 2025

Externship, AI-Powered Workflow Automation / Outamation

Remote

- Engaged in a practical externship focused on real-world AI applications, developing features and integrations using Python.
- Acquired hands-on experience with natural language processing (NLP), document data extraction, and retrieval-augmented generation (RAG) using LlamaIndex, aligning with large language model applications.
- Contributed to projects that streamlined workflows and reinforced backend system efficiency, demonstrating a strong foundation in AI-driven processes.

UNIVERSITY PROJECTS

GPX TO CSV USING JAVA

Mar 2024

University Projects

- Developed a java application to convert GPS data from a GPX file to a csv format, enhancing data accessibility and usability for future projects.
- Implemented robust error handling and data validation to ensure 100% data integrity during GPX to CSV conversion, seamlessly integrating with existing Java driver systems.
- Analyzed and extracted latitude and longitude data from GPX file, captured at 5 minutes intervals over a 3-day trip.

JAVA GUI

May 2024

University Projects

- Developed a java GUI application to visualize and animate triplog datasets on a map, incorporating user interactivity and animation controls.
- Implemented stop detection methods and dynamically centered the map on the animation area for optimal viewing.
- Developed advanced animation features including real-time position tracking and path visualization, enhancing data comprehension and user engagement.

SKILLS

- **Programming Languages:** Java, Python, HTML, Programming Go, Programming C/C++, JavaScript, CSS, Machine Learning, LLMs, Full Stack Development, React, FastAPI, AI
- **Software Development:** Technical problem solving, Building tools/infrastructure, Writing maintainable software, Learning new languages, Front-end Development, Web Development, backend systems
- **Creative Tools:** Adobe Photoshop, Adobe Lightroom, Adobe Illustrator, Blender
- **Productivity Tools:** Microsoft Excel, Microsoft Access, MATLAB

EXTRACURRICULAR ACTIVITES

African Student Association

Aug 2023 - Jun 2025

Education Officer, Executive Board

- Championed cultural advocacy and education by designing and leading comprehensive initiatives that highlighted contemporary African political, social, and historical movements, fostering global awareness and inclusivity.

- Orchestrated over a dozen high-impact events, including forums, panel discussions, and interactive workshops, reaching hundreds of students and driving campus-wide conversations on African identity and diasporic solidarity.

International Advisory Committee**Aug 2023 - Jun 2025***Creative Chair; Executive Board*

- Directed the creative vision of the International Advisory Committee, producing compelling multimedia campaigns and promotional assets that significantly enhanced global student engagement and institutional visibility.
- Oversaw cross-cultural collaboration among diverse international student organizations, aligning branding and messaging strategies to promote intercultural understanding and unify student voices across continents.