

Jessica Jordan

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EDUCATION

DePauw University

Greencastle, IN

Bachelor of Arts in Computer Science and Economics

Aug. 2023 – Expected May 2027

- **GPA:** 3.71/4.00 (Major: 4.00/4.00 in both Computer Science and Economics)
- **Organizations:** Association for Computing Machinery (ACM), CodePath, Girls Who Code, Rewriting the Code

TECHNICAL SKILLS

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

Developer Tools and Frameworks: AWS, OpenAI API, Jenkins, VS Code, Git, MongoDB, Docker, UML

EXPERIENCE

Teaching Assistant

Aug 2025 – May 2026

DePauw University

Greencastle, IN

- Facilitating **30+** students in **Java** programming by providing weekly office hours for personalized support with exams and projects
- Troubleshooting technical problems brought by students using Java in **VS Code** and **BlueJ** in an introductory CS course

Software Engineer Intern

June 2025 – Aug 2025

AI Glow

Remote

- Designed and developed a **React**-based frontend for an AI education platform which enhanced user engagement and increased website traffic by **25%** by optimizing navigation and UI/UX
- Integrated a **Tidio**-powered interactive chatbot to assist users with payment plans and website information which reduced navigation errors and boosted user satisfaction by **15%**

Science Research Fellow

Jan 2025 – Present

DePauw University

Greencastle, IN

- Created a **linear regression** model in **Python** using **Google Colab** and **pandas** to predict employee salaries based on an instructor-created dataset and evaluated performance using **R² score** to assess model accuracy
- Selected in Fellows Program of Distinction that prepares members for science research to develop skills in STEM fields

PROJECTS

Secure CI/CD Pipeline | *Jenkins, Docker, AWS ECS, Trivy*

June 2025

- Integrated **Trivy** into **GitHub Actions** and **Jenkins** pipelines to scan **Docker** images for security vulnerabilities by configuring builds to automatically fail if detected threats exceed a defined **CVSS** threshold
- Developed a **Cloud Access Security Broker (CASB)** framework within **CI/CD** pipeline to enforce compliance with custom security policies and reduce misconfiguration risks to ensure that high-risk images never deploy
- Implemented access controls and automated policy checks to block unauthorized actions and lower overall deployment risk score

My GrocerPal: AI-Powered Nutrition Assistant | *MongoDB, OpenAI API*

Feb 2025

- Developed a full-stack secure **REST API** web-application with **Express.js** and **MongoDB** for user-authenticated grocery list creation to help with family meal planning and to promote nutrition accessibility from user criteria
- Designed modular **Express** middleware for **JWT**-based authentication, token verification, and **CORS** configuration to protect API routes and manage secure, authenticated requests using **DOM**-driven logic
- Dynamically parsed and rendered structured **OpenAI**-generated JSON using **JavaScript** and DOM manipulation, with rate-limit handling to ensure reliable display of categorized grocery and recipe data in a styled **HTML** view

ACTIVITIES AND LEADERSHIP

Vice President of ACM-W Women in Computer Science

June 2025 – Present

DePauw University ACM-W Chapter

Greencastle, IN

- Co-led **Open-Source** Contributions workshop and assisted **15+** students with program installation and debugging using **GitHub**