

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)
- **Relevant Courses:** Algorithmic Foundations, Web Programming and Cybersecurity, Data Structures, Computer Systems, Discrete Math, Software Development, Object Oriented Programming (OOP), CodePath Web Development and Technical Interview Prep
- **Organizations:** Association for Computing Machinery (ACM), CodePath, Girls Who Code, Rewriting the Code

TECHNICAL SKILLS

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

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

- Facilitated 30+ students in Java programming by providing weekly office hours for personalized support with exams and projects, which improved the class average by 15%
- Assessed and troubleshooted technical problems brought by students in an introductory CS course

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 R^2 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 Security | *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 | *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 for page access control
- 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

Ethical Analysis Intern

Aug. 2023 – Present

Prindle Institute for Ethics

Greencastle, IN

- Conducted ethical case discussions as the lead Hillman intern for two off-campus programs with 20+ participants each twice a week to develop communication and ethical analysis skills in the Greencastle community