

Adam Lear

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EDUCATION

Drake University

B.S. in Computer Science

Expected Graduation, May 2024

- **Double Major:** Computer Science, Artificial Intelligence
- **GPA:** 3.88/4.00
- **Honors Program**
- **Related Coursework:** Algorithm Analysis, Software Engineering, Programming Languages, Computer Organization & Assembly, Cloud & Database Design, Machine Learning, Artificial Intelligence, Human-Computer Interaction

SKILLS

Programming: Python, JavaScript, HTML/CSS, Java, SQL

Tools: PyCharm, Eclipse, AWS, Jupyter Notebooks, Git, Figma, Jenkins Testing, Agile

INTERNSHIP EXPERIENCE

Hy-Vee, Inc.

Data Science Intern

June 2023 – August 2023

- Used Python and Microsoft SQL Server to explore and transform data
- Utilized Artificial Intelligence and Natural Language Processing techniques to predict item labels
- Wrote unit tests for a large classification prediction model

Federal Reserve Bank of Chicago

Software Engineering Intern

June 2022 – August 2022

- Developed, tested, and deployed code for an application that processes payments for 10,000+ organizations
- Collaborated with a Scrum team using Agile methodologies
- Improved security and performance of public-facing webpages
- Modified web applications using the Angular framework

ADDITIONAL EXPERIENCE

Drake University ITS

Support Center Student Tech

October 2021 – Present

- Troubleshoot technology issues on campus and help users with any errors they encounter
- Answer calls and other concerns about technology on campus
- Use queues in the TeamDynamix ticketing system to organize and prioritize work

Drake University Tutoring Center

Computer Science Tutor

August 2023 – December 2023

- Worked closely with students taking Intro to Computer Science I & II, Object Oriented Programming, and Computer Organization & Assembly
- Assisted students in debugging Python, Java, and C code, troubleshooting errors, and optimizing code to improve efficiency and functionality
- Clarified simple and complex Computer Science topics to non-majors using diagrams and analogies

Drake University Department of Math and Computer Science

Economic Data Science Research

September 2021 – May 2022

- Faculty Mentor: Eric Manley, Ph.D.
- Gathered and cleaned bank data from the years 2007-2012 using the Pandas library
- Implemented various machine learning models to predict when a bank might close in the future
- Presented findings at the Consortium for Computing Sciences in Colleges (2nd place) and the Drake University Conference on Undergraduate Research in the Science