

# Gavin D. Fisher

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## Education

### **Iowa State University**

Bachelor of Science, Computer Science, Minor in Data Science

Graduation: May 2025

GPA: 3.55

## Skills

**Languages:** Java, Python, C/C++, Go, R, SQL, JavaScript, HTML, CSS, XML

**Developer Tools:** Git, Jupyter Notebooks, IntelliJ, Azure DevOps, Docker

**Libraries:** Pandas, NumPy, Matplotlib, Seaborn, Keras, Tensorflow, Scikit-Learn, PyTorch, Spring Boot, Bootstrap, Java Data Tables, Struts, Ajax, jQuery

## Work Experience

### **Iowa State University**

February 2025 - Present

*Computer Science Teaching Assistant*

- Hold office hours and grade assignments for Computer Architecture, assisting students in understanding complex computing concepts.

### **Curries | ASSA ABLOY**

May 2024 - August 2024

*Full-Stack IT Developer*

- Architected Java web applications using JavaScript, JSP, SQL, Bootstrap, jQuery, and Struts, improving employee efficiency through new features and bug fixes.
- Organized and presented a comprehensive Git development strategy to the development team, covering essential Git commands and workflows to ensure consistent version control.
- Practiced Agile development methodologies with sprint planning, weekly standups, managing user stories, and bug tracking to enhance project transparency and track progress in Azure DevOps.

### **Data Science for the Public Good | Iowa State University**

May 2023 - August 2023

*Undergraduate Data Researcher*

- Analyzed key findings from web-scraped images and datasets to find common damages, documenting findings on a collaborative team blog using R, HTML, and Git.
- Built AI models in Python to predict visible house damages, improving housing quality assessments for local communities by making the process cheaper and quicker.
- Delivered multiple presentations on project insights to communicate data-driven conclusions.

## Leadership

### **Cardinal Space Mining Club**

January 2023 - February 2025

*Treasurer & Member*

- Achieved full autonomy for the trenching system on the robot by monitoring sensors to track potential binding utilizing C/C++, Java, and Git contributing to a first-place victory in 2023.
- Delivered intensive on-site programming support at the CAT and NASA Lunabotics Competition at the Kennedy Space Center in Florida, resolving critical issues and optimizing system performance, contributing to a first-place victory in 2024.
- Facilitated interactive onboarding sessions, providing essential resources and support to train new members, improving club retention.

## Activities and Accolades

Craig Sailor Exceptional Leadership Award, Dean's List, Iowa State Varsity Drumline, Weightlifting Club