

Brandon Zaragoza

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Education

Iowa State University

Ames, Ia

Bachelor of Science, Computer Science

Expected May 2025

Minor in Cyber Security

Programming Skillset

- **Languages (Advanced):** Java, C, and C++
- **Languages:** JavaScript, NodeJS, HTML, CSS, Python, and Lua
- **Frameworks:** React, Spring Boot, Maven, and Swing
- **Platforms:** AWS
- **Methodologies:** SCRUM, Agile, and Waterfall

Relevant Skills

- Continuous Learning Agility
- Problem Solving
- Leadership
- Teamwork
- Object-Oriented Programming (OOP)

Work Experience

John Deere

October 2022 – Present

Order Management Specialist

- Used React to build user interfaces for customers to interact with
- Changed various UI elements for a better UX for customers

Iowa State University – College of Liberal Arts and Sciences

Aug 2022 – Present

Computer Science Peer Mentor

- Aid 20+ incoming first-year students to better acclimate to university life and the computer science major
- Led individual classes
- Supply resources for mentees to use for both university and computer science related problems

Iowa State University General Services

Seasonal, May 2022 – Aug 2022

Student Groundcrew

- Maintained property owned by Iowa State

Leadership & Involvement

- **Adelante Fraternity**
 - o Computer Chair
 - o Assistant Recruitment
 - o Social Chair
- **Game Development Club**, Member
- **Robotics Club**, Member

August 2021 – Present

November 2021 – Present

November 2021 – Present

November 2021 – Present

August 2021 – Present

August 2022 – Present

Related Coursework

Iowa State University

Advanced Programming Techniques

Fall 2022

- Object-oriented programming experience using a language suitable for exploring advanced topics in programming

- Memory management, parameter passing, inheritance, compiling, debugging, and maintaining programs
- Significant programming projects

Software Development Practices Fall 2022

- A practical introduction to methods for managing software development
- Process models, requirements analysis, structured and object-oriented design, coding, testing, maintenance, cost and schedule estimation, metrics
- Programming projects

Linux Operating System Essentials Fall 2022

- Introduction to installation, utilization, and administration of Linux systems
- Open-source software, package installation and management, shell programming and command-line utilities, process and service management, account management, network configuration, file sharing, interoperation with other computers and operating systems, automation, and system security

Construction of User Interfaces Spring 2022

- Evaluation and testing of user interfaces
- Developing Web and Windows-based user-interfaces
- Event-driven programming

Discrete Computational Structures Spring 2022

- Concepts in discrete mathematics as applied to computer science
- Logic, set theory, functions, relations, combinatorics, discrete probability, graph theory and number theory
- Proof techniques, induction and recursion.

Intro to Data Structures Fall 2021

- An object-oriented approach to data structures and algorithms
- Object-oriented analysis, design, and programming
- Abstract data type specification and correctness