Robert Holeman

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Objective

Seeking full time employment in software engineering in the summer or fall of 2024

Education

Iowa State University, Ames Iowa   **GPA: 3.73**
B.S. Computer Engineering   **Grad: May 2024**

Work Experience

Software Engineering Intern, American Express- Phoenix, AZ (Summer 2023)
- Identified and resolved accessibility issues to improve customer experience
- Created and tested API layer functions for enterprise web functions
- Collaborated in an Agile Environment to ensure high quality releases
- Networked with colleagues across the company to expand my understanding of the company

Corporate Engineering Intern, Caterpillar - Mossville, IL (Summer 2022-Present)
- Created software automation tools to manage databases
- Implemented and verified the operation of a new modular test bench setup
- Drove design improvements based on product testing
- Provided detailed documentation for future projects

Technical Background

Mobile Application Development Iowa State University (2022)
- Created backend for mobile application
- Led team discussions to create cohesive design goals
- Collaborated with agile methodologies to efficiently resolve roadblocks

Computer Architecture Iowa State University (2022)
- Applied classwork to create a functional computer processor
- Created practical deadlines to ensure the team completed the processor on time
- Created comprehensive testing programs to guarantee proper functionality

First Robotics (1736 Robot Casserole) **- Embedded Java Software Developer** (2017-2020)
- Worked with professional mentors on the best practices of embedded systems design
- Designed and tested software to ensure robust and consistent robot operation
- Led the Scouting Team to develop a Javascript web application for tracking opponents' capabilities. This was utilized in developing the team's strategy.

Volunteering

FIRST Lego League Summer Camp - Taught engineering skills to 15 middle school students
Rebuilding Together - cleaned and repaired elderly and low-income homes
Midwest Food Bank - packaged dry meals for local food pantries distribution

Skills

C, Embedded C, HTML, CSS, Javascript, Java, Object-Oriented Programming, Git, GSuite, Microsoft Office, Data Structures, VHDL, SQL, Database, .NET framework, VBA, Agile, Python