

Axel Willis

Software Engineering Intern

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STRENGTHS

- Effective Collaboration**
Gained executive confidence through teamwork, leading to successful joint healthcare projects.
- Analytical Thinking**
Recognized for ability to dissect complex problems and present viable solid solutions.
- Technical Adaptability**
Developed flexibility in utilizing varied technologies, allowing prompt adjustment to new tools.
- Creative Problem-Solving**
Frequently sought out for unique approaches to software performance challenges, enhancing outcomes.
- Attention to Detail**
Crafted thorough documentation to elevate information-sharing practices within teams.

SKILLS

C++ Programming

GPU Computing (CUDA, OpenCL)

Linux Operating Systems

Object-Oriented Design

Problem Solving Mathematics

Scripting (Bash, Python)

Team Collaboration

Software Testing

Technical Documentation

Algorithm Development

Data Analysis

Debugging Techniques

Version Control (Git)

Performance Optimization

Software Development Methodologies

SUMMARY

Motivated software engineer with a strong programming foundation and hands-on experience in developing medical imaging software. Competent in collaborating with diverse teams to deliver high-performance solutions, demonstrating proficiency in C++ and familiarity with various computing technologies. Committed to enhancing software functionality through innovative applications and eager to contribute in a dynamic healthcare technology environment.

EDUCATION

Bachelor's Degree in Computer Science

University of Wisconsin-Madison 🎓 GPA: 3.8 📅 2025 📍 Madison, WI

Coursework: C++, Linux, Object-Oriented Programming, Data Structures

TECHNICAL SKILLS

- Software Engineering Practices:** Agile
- Programming Languages:** C++
- Operating Systems:** Linux
- Coding Tools:** Visual Studio
- Testing Frameworks:** JUnit
- Version Control:** Git
- Development Platforms:** Docker
- Documentation Tools:** Markdown
- Collaboration Tools:** Slack
- Project Management:** Trello

EXPERIENCE

Software Development Intern

Innovative Tech Solutions 📅 June 2025 - Present 📍 Chicago, IL

Assisting in the development of software for medical imaging applications, focusing on performance optimization and feature implementation using C++. Engaging in team collaboration efforts to improve workflow processes and provide technical support.

- Developed software features based on requirements set by healthcare technology stakeholders.
- Collaborated with colleagues to enhance GPU algorithm performance, driving efficiency.
- Maintained documentation, supporting knowledge sharing, and continuous improvement.
- Provided technical assistance during product releases, ensuring operational readiness.

Junior Software Engineer

Dynamic Systems LLC 📅 January 2024 - May 2025 📍 Green Bay, WI

Contributed to designing and implementing software solutions within healthcare technology projects. Focused on utilizing object-oriented principles to deliver results that improved system functionality and user interaction.

- Participated in collaborative sessions aimed at crafting innovative healthcare software.
- Employed rigorous testing methodologies to guarantee the highest quality standards.
- Applied problem-solving skills to address issues promptly, meeting project deadlines.
- Assisted users in understanding new functionalities, fostering trust in technological enhancements.

Academic Project

University of Wisconsin-Madison 📅 September 2024 - May 2025 📍 Madison, WI

Worked on a collaborative capstone project focused on developing a simulated MR reconstruction application utilizing high-performance computing techniques, including GPU resources.

- Designed key algorithms for MR imaging techniques that served as prototypes for real-world applications.

LANGUAGES

English Native

Spanish Intermediate

MY CAREER



- Software Development Intern at Innovative Tech Solutions (1 Years)
- Junior Software Engineer at Dynamic Systems LLC (1.3 Years)
- Academic Project at University of Wisconsin-Madison (8 Months)

- Utilized C++, focusing on optimizing code for scalability and usability.
- Engaged cross-disciplinary discussions, marrying biomedical concepts with software development.
- Tested and validated models, ensuring alignment with academic and industry standards.

LEADERSHIP & AWARDS

- Dean's List for Academic Excellence, University of Wisconsin-Madison, 2024
- Outstanding Technical Contribution Award, Dynamic Systems LLC, 2025

CERTIFICATIONS

- Certified C++ Programmer 📅 2026
- CUDA Parallel Programming Certification 📅 2026

PROFESSIONAL AFFILIATIONS

- Member, Society of Software Engineers at University of Wisconsin-Madison
- Volunteer, Tech Outreach Program for Local Schools

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST