

# Axel Willis

## Software Engineering Intern

📞 (608) 555-1234 ✉ axel.willis@example.com 🌐 linkedin.com/in/axelwillis 📍 123 Main St, Madison, WI 53703

### 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

### 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

### 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.
- 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

---

## LANGUAGES

- English (Native) • Spanish (Intermediate)

---

## ADDITIONAL INFORMATION

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

---

## REFERENCES

AVAILABLE ON REQUEST