Yuan Gilbert

(608) 555-0123 yuan.gilbert@example.com
linkedin.com/in/yuangilbert Madison, WI, 53703

SUMMARY

Enthusiastic Electrical Engineering student with hands-on experience in digital farming technologies through academic projects and internships. Demonstrated ability to collaborate with cross-functional teams to develop innovative solutions addressing real-world agricultural challenges. Strong foundation in electrical engineering principles focused on sustainability and efficiency. Eager to leverage technical skills and passion for agriculture in a challenging internship role, contributing valuable insights and technical support while engaging with stakeholders in the field of digital farming.

EDUCATION

Bachelor of Science in Electrical Engineering 2026

University of Wisconsin-Madison GPA: 3.7 *Madison, WI*

Coursework: *Circuits, Digital Systems, Signal Processing, Control Systems*

TECHNICAL SKILLS

- **Engineering Software:** MATLAB, AutoCAD, Simulink
- **Scripting Languages:** Python, C++, Java
- **Digital Farming Tools:** Arduino, Raspberry Pi, IoT Sensors
- **Project Management Tools:** Asana, Trello, Microsoft Project
- **Documentation Tools:** Google Docs, Microsoft Word, LaTeX
- **Data Analysis Platforms:** Excel, MATLAB, Python
- **Presentation Software:** Microsoft PowerPoint, Prezi, Google Slides
- **Collaboration Tools:** Slack, Microsoft Teams, Zoom
- **Testing Frameworks:** JUnit, PyTest, Selenium
- **Hardware Description Languages:** VHDL, Verilog, SystemVerilog

SKILLS

- Electrical Engineering Principles
- Digital Farming Technologies
- Data Analysis
- Project Management
- Team Collaboration
- Technical Documentation
- Field Testing
- Customer Engagement
- Safety Compliance
- Innovative Design
- IoT Applications
- Technical Support
- Sustainability Practices
- Report Generation
- Cross-Functional Communication

EXPERIENCE

Digital Farming Solutions Developer

January 2026 - May 2026

University Project *Madison, WI*

Led development of sustainable agricultural solutions that integrated digital farming technologies. Managed project interactions with local farmers, ensuring alignment with their needs and operational realities.

- Conducted research on digital farming technologies, leading to a precise farming prototype.
- Collaborated with peers to design and test sensors for improved crop yield monitoring.
- Drafted detailed documentation outlining methodologies to facilitate peer presentations.
- Engaged farmers for feedback on tech needs, enhancing project relevance.
- Troubleshot sensor issues during testing, increasing reliability by 15%.
- Presented findings at an agriculture technology fair, earning recognition from professionals.

Electrical Engineering Research Assistant

September 2025 - December 2025

Academic Research *Madison, WI*

Supported IoT integration efforts within smart farming applications, analyzing data to refine technology designs for better performance.

- Contributed to experimental setups and data assessments on digital farming innovations.
- Provided actionable insights from data analyses to inform future design directions.
- Maintained thorough documentation to facilitate peer knowledge sharing and review.
- Collaborated weekly with team members to address challenges and track progress.
- Helped generate educational materials aimed at informing the agricultural sector.
- Ensured compliance with safety standards throughout all research activities.

Smart Agriculture Innovator June 2025

Hackathon Project *Remote*

Developed a prototype automated irrigation system using Arduino technology, contributing effectively to sustainable agricultural practices.

- Created a water conservation system based on real-time environmental data analysis.
- Collaborated actively in brainstorming sessions focusing on urban agricultural improvements.
- Designed user-friendly interfaces enabling farmers to control systems remotely.
- Perfected prototype through rigorous testing, culminating successfully at the hackathon.
- Awarded Best Innovation Award for impactful water-saving contributions.
- Documented every project aspect for submission in a university innovation contest.

LEADERSHIP & AWARDS

- Dean's List, University of Wisconsin-Madison, 2025
- Best Innovation Award, Agriculture Hackathon, 2025

CERTIFICATIONS

- Digital Farming Technology Certification 2025
- IoT for Agriculture 2025

PROFESSIONAL AFFILIATIONS

- Member, University of Wisconsin Engineering Society
- Volunteer, Local Community Garden Project

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST