



# Yuan Gilbert

## Digital Farming Intern

☎ (608) 555-0123 ✉ yuan.gilbert@example.com

🌐 linkedin.com/in/juangilbert 📍 Madison, WI, 53703

### STRENGTHS

- 💡 **Innovative Problem Solver**  
Generated effective solutions by leveraging strong electrical engineering principles during technical troubleshooting experiences.
- 👥 **Collaborative Team Player**  
Regularly collaborated with classmates, fostering teamwork and collective success when developing farm-focused technological solutions.
- 💬 **Strong Communicator**  
Engaged with local farmers to understand specific technological needs while effectively presenting project updates and seeking feedback.
- 📄 **Detail-Oriented Organizer**  
Maintained meticulous project documentation, ensuring clarity in communication and methodological integrity throughout academic presentations.
- 🔄 **Adaptable Learner**  
Participated in diverse training opportunities, continually enhancing expertise in digital farming technologies amidst evolving industry landscapes.

### SKILLS

Electrical Engineering Principles

Digital Farming Technologies

Data Analysis

Project Management

Team Collaboration

Technical Documentation

Field Testing

Customer Engagement

Safety Compliance

### 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

University of Wisconsin-Madison 🎓 GPA: 3.7 📅 2026 📍 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

### EXPERIENCE

#### Digital Farming Solutions Developer

University Project 📅 January 2026 - May 2026 📍 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.
- Troubleshoot sensor issues during testing, increasing reliability by 15%.
- Presented findings at an agriculture technology fair, earning recognition from professionals.

#### Electrical Engineering Research Assistant

Academic Research 📅 September 2025 - December 2025 📍 Madison, WI

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

Innovative Design IoT Applications

Technical Support

Sustainability Practices

Report Generation

Cross-Functional Communication

LANGUAGES

English Native

Spanish Proficient

MY CAREER



- Digital Farming Solutions Developer at University Project (4 Months)
- Electrical Engineering Research Assistant at Academic Research (3 Months)

- 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

Hackathon Project 📅 June 2025 📍 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

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST