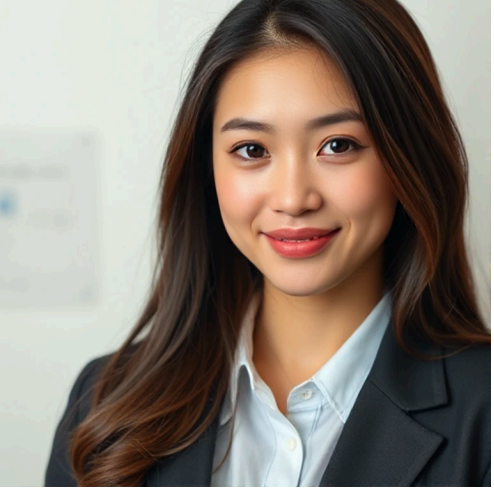

Danna Villegas

Entry Level Controls Engineer

(313) 555-0123 danna.villegas@example.com
linkedin.com/in/dannavillegas Detroit, MI 48226

SUMMARY

An enthusiastic Electrical Engineering graduate eager to contribute innovative solutions in building automation and electrical control systems. With hands-on experience from co-op roles, designed interfaces that improve facility management and energy efficiency while ensuring compliance with safety standards. Communication skills drive team collaboration with engineers and designers. Thrives under pressure, effectively juggling tasks and adhering to projects' timelines. Passionate about using technology to deliver actionable insights for clients, aiming for continuous improvement and embracing challenges head-on.

EDUCATION

Bachelor's Degree in Electrical Engineering

University of Michigan GPA: 3.8 2026 Ann Arbor, MI

Coursework: *Control Systems, Building Automation, Data Management, IoT Applications*

TECHNICAL SKILLS

- **Programming Languages:** Python, C#, Java
- **Database Technologies:** Microsoft SQL Server, Oracle, MongoDB
- **Control Systems:** PLC, DCS, DDC
- **Presentation Software:** PowerPoint, Google Slides, Keynote
- **Project Management Tools:** Asana, Trello, JIRA
- **Web Development Tools:** HTML, CSS, JavaScript
- **Automation Platforms:** Siemens, Allen-Bradley, Schneider Electric
- **Data Visualization:** Tableau, Power BI, Grafana
- **Version Control Systems:** Git, Subversion, Mercurial
- **Communication Tools:** Slack, Microsoft Teams, Zoom

EXPERIENCE

Building Automation Intern

University Research Lab June 2025 - August 2025 Detroit, MI

Supported the design of efficient building automation systems to enhance university facilities' energy savings. Participated in creating HVAC control sequences that met industry standards. Collaborated with a team to develop user-interface tools monitoring system performance, directly contributing to cost savings and operational transparency.

- Assisted design processes for automation systems improving energy efficiency.
- Developed control sequences for HVAC equipment, ensuring adherence to established guidelines.
- Collaborated effectively within a team of engineers and designers all focusing on enhancing field operations through innovative interfaces.
- Conducted rigorous testing and troubleshooting of automated systems, successfully reducing response time for alerts.
- Drafted technical documentation and manuals, enhancing usability and training for operational staff.
- Presented research findings clearly, receiving commendations for presentation clarity and detail.

Controls Engineering Co-op

Tech Innovations Co. January 2025 - May 2025 Detroit, MI

Engaged in design and implementation of advanced electrical control systems aimed at manufacturing efficiency. Developed database solutions for performance tracking within high-stakes production settings, working closely with cross-functional teams to ensure project completion and quality control.

STRENGTHS

Team Collaboration
Worked seamlessly with engineers to develop systems meeting complex needs, earning praise for fostering mutual respect.

Problem-Solving Skills
Confronted challenges head-on during internships, reinforcing a passion for creating responsive and functional solutions.

Technical Documentation
Produced thorough documentation and training materials to support successful integrations of new systems across departments.

Automation Expertise
Utilized Modern methodologies and tools to automate processes, positively impacting operational performance.

Time Management
Managed academic responsibilities alongside internships, developing proficient organizational skills crucial for balancing multiple deadlines.

SKILLS

Building Automation

Control Systems

PLC Programming SQL Databases

Problem Solving

Technical Documentation

Team Collaboration

Web Development Technologies

HVAC Technologies

Database Management

IoT Applications | Data Analysis

Electrical Design

System Integration

Energy Efficiency Strategies

LANGUAGES

English — Native

Spanish — Intermediate

MY CAREER

- Building Automation Intern at University Research Lab (2 Months)
- Controls Engineering Co-op at Tech Innovations Co. (4 Months)

- Contributed to foundational designs of control systems integral to processing efficiency.
- Gained practical experience handling Programmable Logic Controllers (PLC) and Distributed Control Systems (DCS).
- Designed database solutions utilizing Microsoft SQL Server to monitor essential performance metrics, aiding in strategic decision-making.
- Integrated real-time data monitoring technologies systematically, optimizing operational workflows.
- Fostered strong working relationships with various teams, navigating complexities of timely project deliveries.
- Emphasized proactive problem resolution methods, significantly enhancing systems' reliability and integrity.

LEADERSHIP & AWARDS

- Dean's List, University of Michigan (2024, 2025)
- First Place, University Engineering Hackathon (2025)

CERTIFICATIONS

- Certified in Microsoft SQL Server 2026
- PLC Programming Certification 2026

PROFESSIONAL AFFILIATIONS

- Member, Engineering Student Association
- Vice President, Robotics Club

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST