

Rahul Norris

Product Installation Engineer

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SUMMARY

Accomplished Product Installation Engineer equipped with extensive knowledge in electronics and mechanical systems. Demonstrated expertise in spearheading complex installations of semiconductor equipment while ensuring compliance with rigorous standards. Strong analytical abilities promote effective problem-solving and swift resolution of technical issues. Experienced in collaborating with cross-functional teams to enhance system performance. Dedicated to maintaining clear communication with stakeholders, providing timely updates throughout project phases. A keen focus on client satisfaction drives completion of projects within established timelines while upholding quality assurance practices.

EXPERIENCE

Product Installation Engineer

University Project 📅 January 2026 - Present 📍 Remote

Lead installation and qualification of advanced semiconductor equipment in a collaborative academic project environment, focusing on meeting stringent deadlines and maintaining quality benchmarks.

- Led successful installations while ensuring strict adherence to project timelines.
- Diagnosed and resolved technical issues efficiently, driving improvements in project outcomes.
- Collaborated closely with interdisciplinary teams for system verification and tool ownership transfer.
- Documented processes rigorously to ensure compliance and accountability at every project phase.
- Achieved high levels of client satisfaction through meticulous project deliverables approval.
- Facilitated effective collaboration among team members from diverse cultural backgrounds.

Technical Engineer

Hackathon Project 📅 September 2025 - December 2025 📍 Remote

Contributed technical expertise in developing prototypes for innovative calibration systems during a highly competitive hackathon, focusing on accuracy improvements in equipment setups.

- Worked collaboratively in a team setting to design a prototype calibration device.
- Implemented troubleshooting protocols that significantly reduced setup errors.
- Used project management tools to effectively track progress, metrics, and communications.
- Conducted user testing sessions to collect feedback for iterative prototype enhancements.
- Presented findings effectively to judges, focusing on innovative technical solutions developed.
- Earned recognition for outstanding teamwork and resilience in problem-solving.

Research Assistant

Academic Research 📅 January 2025 - May 2025 📍 Totowa, NJ

Supported groundbreaking research on electro-optical systems aimed at optimizing equipment performance, resulting in the publication of findings and presentations at academic forums.

- Assisted faculty in conducting experiments focused on system performance.
- Analyzed data sets comprehensively to derive insights on system interactions.
- Collaborated with a team presenting key research findings at a university symposium.
- Crafted detailed presentations to convey complex technical insights succinctly.
- Utilized advanced software tools for effective data analysis and visualization.
- Contributed significantly to the release of published research at academic conferences.

LEADERSHIP & AWARDS

- Dean's List, Totowa University, 2025
- 1st Place, University Hackathon, 2025

EDUCATION

Bachelor's Degree in Electrical Engineering

Totowa University 🎓 GPA: 3.8 📅 2026 📍 Totowa, NJ

Coursework: *Circuit Analysis, Digital Systems, Semiconductor Physics, Control Systems*

CERTIFICATIONS

- Certified Semiconductor Technician 📅 2026
- First Aid Certification 📅 2025

TECHNICAL SKILLS

- **Diagnostic Tools:** Multimeter, Oscilloscope, Spectrum Analyzer
- **Operating Systems:** Windows, Unix
- **Software Applications:** MATLAB, AutoCAD, LabVIEW, Microsoft Office
- **Calibration Equipment:** Calibrator, Sensor Tester, Signal Generator
- **Documentation Standards:** IEEE, ISO 9001, IPC-A-610
- **Semiconductor Tools:** Vacuum Pumps, Wafer Handlers, Ion Implanters
- **Analytical Software:** Excel, Python, R
- **Project Management Tools:** Trello, Asana, JIRA
- **Testing Frameworks:** Automated Test Equipment (ATE), Reliability Testing, Calibration Procedures
- **Networking Protocols:** TCP/IP, HTTP, Ethernet

SKILLS

- Electronics
- Project Management
- Data Analysis
- Installation Techniques
- Optical Systems
- Technical Documentation
- Calibration Processes
- Experimentation
- Troubleshooting
- Cross-Functional Collaboration
- Quality Assurance
- Communication Skills
- Microsoft Office
- Semiconductor Equipment
- Client Relations
- Teamwork

PROFESSIONAL AFFILIATIONS

- Member, Electronics Club, Totowa University
- Volunteer, Tech for Good Initiative

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST