Nikolai Kirby

(385) 555-0123 nikolai.kirby@example.com
linkedin.com/in/nikolaikirby Salt Lake City, UT 84101

SUMMARY

Recent BSEE graduate excited about applying skills in electrical engineering within the renewable energy sector. Knowledgeable in designing renewable collector substations, dynamic energy systems, and layout planning using industry-standard software. Demonstrated capacity for collaborating with seasoned professionals to achieve effective design outcomes. Engaged in hands-on projects focusing on integrating renewable sources into electrical grids while adhering to established standards including IEEE and NEC. Possess strong communication abilities and a commitment to sustainable practices, ready to contribute to impactful engineering solutions alongside talented teams.

EDUCATION

Bachelor's Degree in Electrical Engineering 2026

University of Utah GPA: 3.8 *Salt Lake City, UT*

Coursework: *Circuit Analysis, Energy Systems, Electrical Design, Renewable Energy Technologies*

TECHNICAL SKILLS

- **Engineering Software:** AutoCAD, MATHCAD, Revit
- **Renewable Energy Standards:** IEEE, NEC, NESC
- **Simulation Tools:** MATLAB, PSS/E, PSCAD
- **Documentation Standards:** IEEE Style Manual, ASCE Guidelines, ANSI Standards
- **Project Management Tools:** Trello, Asana, Microsoft Project
- **Analysis Tools:** PLC Programming, SCADA, Energy Modeling
- **Communication Platforms:** Zoom, Microsoft Teams, Slack
- **Testing Equipment:** Multimeter, Oscilloscope, Function Generator
- **Quality Control Methods:** Peer Review, QA/QC Checklist, Design Validation
- **Presentation Software:** PowerPoint, Prezi, Google Slides

SKILLS

- Electrical Engineering Principles
- Renewable Energy Systems
- AutoCAD
- MATHCAD
- SCADA Systems
- Technical Communication
- Project Collaboration
- Design Calculations
- Quality Assurance
- Data Presentation
- Energy Efficiency
- Prototype Testing
- Teamwork
- Wiring Diagrams
- Substation Layout
- Conduit Sizing

EXPERIENCE

Electrical Engineering Intern

January 2025 – May 2026

University Project *Salt Lake City, UT*

Supported capstone team in creating designs for renewable energy systems involving practical calculations and technical drafting endorsed by professors. Gained insights into project management by participating in interdisciplinary meetings focused on milestones and challenges.

- Collaborated on conceptualizing the design of an advanced renewable energy system utilizing MATHCAD and AutoCAD for simulations and plan development.
- Spearheaded the creation of one-line diagrams and wiring schematics for solar energy installations meeting rigorous safety protocols.
- Executed efficiency analyses to present data-driven findings regarding energy outputs, enhancing overall academic presentation capabilities.
- Drafted comprehensive project documentation, consolidating research and analysis for review during the university's annual engineering exposition.
- Coordinated regular project discussions that facilitated awareness of progress against timelines and technical requirements among teammates.
- Acquired proficiency in SCADA systems pivotal for automation within contemporary renewable energy settings.

Research Assistant

September 2024 – December 2024

Academic Research *Salt Lake City, UT*

Engaged in significant academic research supporting faculty efforts to advance eco-efficient strategies in renewable applications. Developed research competency through literature reviews and experimental testing on renewable prototypes under stringent university oversight.

- Contributed to innovative studies addressing energy conservation methodologies in electrical systems focusing on renewability integration.

- Execution of thorough literature reviews laid groundwork for insightful papers published in distinguished academic forums.
- Conducted empirical tests relevant to prototype development, effectively documenting findings for collaborative evaluations.
- Crafted presentations custom-fit for academic conferences demonstrating skill in conveying complex ideas clearly and engagingly.
- Partnered with student groups to develop energy-efficient circuit designs, incorporating constructive feedback from faculty audiences.
- Gained expertise in industry-relevant design tools reinforcing technical capabilities guided by experienced academics.

LEADERSHIP & AWARDS

- Dean's List, 2024 - 2026
- Recipient of the Renewable Energy Scholarship, 2025

CERTIFICATIONS

- Fundamentals of Engineering (FE) 2026
- Microsoft Certified: Azure Fundamentals 2026

PROFESSIONAL AFFILIATIONS

- Member, Engineering Student Association, 2024 - 2026
- Participant, National Renewable Energy Laboratory Internship Program, Summer 2025

LANGUAGES

- English (Native)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST