STRENGTHS

Analytical Thinking
Diagnosed root causes of problems seasoned from various analysis projects encouraging thoughtful decision-making.

Effective Communication
Articulated complex ideas succinctly in presentations, fostering collaboration among diverse groups efficiently.

Team Collaboration
Facilitated constructive interactions within project teams, fostering an inclusive environment focused on success.

Critical Problem Solving
Tackled unexpected challenges during projects; analyzed data systematically to deliver viable solutions rapidly.

Adaptability
Thrived in ever-changing contexts of team settings, showcasing flexibility while maintaining high performance standards.

SKILLS

Data Analysis | Python | SQL | R

Data Visualization | Communication

Team Collaboration

Problem Solving

Research Techniques

Statistical Analysis

Project Management

Karter Barnes

Electric Operations Data Science Intern

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SUMMARY

Driven data science student eager to contribute analytical skills in the energy industry. Experienced in collaborative environments, combining strong problem-solving capabilities with precise data-driven approaches. Practical expertise gained through various projects focused on electric operations and customer insights. Proficient in tools like Python, SQL, and data visualization platforms. Excited to join Bright Future Energy Solutions and support impactful organizations with innovative solutions based on real data analysis. Committed to honing further understanding in both data science and the electric operations sector.

EDUCATION

Bachelor of Science in Computer Science

University of California, Los Angeles GPA: 3.8 2026 Los Angeles, CA

Coursework: *Data Structures, Machine Learning, Database Systems, Software Engineering*

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL, R
- **Data Visualization Tools:** Tableau, Matplotlib, Seaborn
- **Database Technologies:** MySQL, PostgreSQL, SQLite
- **Data Analysis Frameworks:** Pandas, NumPy, Scikit-learn
- **Project Management Tools:** Trello, JIRA, Asana
- **Reporting Tools:** Tableau, Power BI, Google Data Studio
- **Development Methodologies:** Agile, Scrum, Waterfall
- **Operational Assessment Methods:** Benchmarking, Process Mapping, SWOT Analysis
- **Cloud Computing Platforms:** AWS, Azure, Google Cloud Platform
- **Statistical Software:** SPSS, SAS, JMP

EXPERIENCE

Data Science Intern

University Project January 2026 - Present Los Angeles, CA

Contributed to critical projects focusing on data analysis for electric operations as part of a university initiative. Gained hands-on experience utilizing analytical tools while collaborating effectively with peers and mentors.

- Conducted comprehensive data analysis to identify trends impacting electric operations for a capstone project.
- Collaborated with peers to develop data-driven strategies that improved project outcomes and operational efficiencies.
- Utilized Python and SQL to extract, transform, and analyze datasets, resulting in actionable insights.
- Presented findings in clear and concise reports to academic stakeholders, enhancing communication skills.
- Assisted in data management tasks, ensuring accuracy through rigorous data cleaning and validation processes.
- Engaged in research regarding industry best practices, integrating findings into project deliverables.

Research Assistant

Academic Research September 2025 - December 2025 Los Angeles, CA

Supported a research team analyzing electric consumption patterns for an academic initiative, leveraging analytical tools to enhance project quality and clarity.

Machine Learning | Data Cleaning | Dashboard Creation | Data Interpretation | Trend Analysis

LANGUAGES

English — Native

Spanish — Proficient

MY CAREER

- Data Science Intern at University Project (7 Months)
- Research Assistant at Academic Research (3 Months)

- Analyzed large datasets to evaluate electric consumption patterns, improving understanding of consumer behavior.
- Employed analytical tools such as R and Excel for data visualization, leading to better research presentations.
- Collaborated with faculty to document research methodologies, enhancing academic rigor and transparency.
- Assisted in developing research papers to contribute valuable insights into energy data science.
- Participated in group discussions to brainstorm innovative solutions for data-related challenges.
- Recognized for attention to detail and ability to synthesize complex data into understandable formats.

Team Member

Hackathon Project | April 2025 | Los Angeles, CA

Participated in a competitive hackathon aimed at addressing electric consumption issues through innovation, demonstrating teamwork and creative problem-solving under pressure.

- Developed an application prototype for energy consumption tracking using real-time data analytics.
- Conducted user testing to gather feedback, iterating on design elements for enhanced user experience.
- Leveraged Tableau for data visualization, showcasing potential impact to stakeholders effectively.
- Documented project development stages and presented results to judges, earning recognition for innovation.
- Collaborated within a fast-paced environment, honing skills in project management and teamwork.
- Cultivated resilience and adaptability during challenging time constraints in a competitive setting.

LEADERSHIP & AWARDS

- Dean's List, University of California, Los Angeles, 2025
- Hackathon Winner, Energy Innovation Hackathon, 2025

CERTIFICATIONS

- Data Science Fundamentals 2026
- Python for Everybody 2026

PROFESSIONAL AFFILIATIONS

- Member, Data Science Society, 2025 – Present
- Volunteer, Computer Science Club, 2025 – Present

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST