

Charles Lambert

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SUMMARY

Experienced Structural Engineer specializing in bridge inspections, contributing to community development. Collaborated with cross-functional teams on various projects, preparing load ratings and developing technical sketches using AutoCAD. Engaged in fieldwork to gather data, supporting engineering decisions while maintaining ethical practices. Successful in operational tasks like project documentation, cost proposals, and scope definitions. Always willing to learn and grow professionally, ensuring safety and quality standards are met throughout every project.

EXPERIENCE

Structural Engineer

June 2024 – Present

Infrastructure Solutions, Inc.

Worcester, MA

Lead Structural Engineer overseeing bridge inspection projects, focusing on adherence to safety protocols and enhancing team collaboration. Direct involvement in preparing load ratings and utilizing design software for precise documentation.

- Collaborated with diverse teams on bridge inspections, upholding strict safety standards.
- Prepared accurate load ratings for structures, optimizing project resources and efficiency.
- Executed design documentation using AutoCAD, ensuring clarity in communication and technical precision.
- Performed detailed field inspections, informing strategic engineering decisions resulting in improved project outcomes.
- Extended support in financial aspects through cost estimation and scope documentation facilitation.
- Maintained organized project records aligning with compliance and reporting obligations.

Junior Structural Engineer

January 2022 – May 2024

Engineering Dynamics Group

Providence, RI

Supported structural projects involving evaluation and design of bridges and tunnels. Focused on research and development of inspection documentation while collaborating with senior engineers for insights.

- Engaged actively in infrastructure inspections, conducting essential data collection and analysis.
- Contributed to the drafting of comprehensive reports documenting findings from inspections.
- Worked closely with senior engineers on preliminary calculations to ensure robust designs.
- Participated in training sessions that enhanced knowledge around safety measures and engineering methodologies.
- Utilized Microsoft Office Suite effectively, driving better communication within project management activities.
- Assisted in proposal writing, contributing to winning new business opportunities through impactful presentations.

LEADERSHIP & AWARDS

- Engineered solutions awarded at university symposium for innovative design methodologies.
- Recognized by peers for outstanding teamwork during challenging project timelines.

EDUCATION

Bachelor of Science in Civil Engineering

2021

University of Massachusetts GPA: 3.5

Amherst, MA

Coursework: Structural Analysis, Geotechnical Engineering, Transportation Engineering, Environmental Engineering

CERTIFICATIONS

- Engineer in Training (EIT) 📅 2021
- AutoCAD Certified Professional 📅 2022

TECHNICAL SKILLS

- **Design Software:** AutoCAD, Revit, SAP2000
- **Project Management Tools:** Trello, Asana, JIRA
- **Data Analysis Tools:** MATLAB, Excel, Tableau
- **Documentation Standards:** ISO 9001, AASHTO Guidelines, ASTM Standards
- **Communication Tools:** Slack, Microsoft Teams, Zoom
- **Field Inspection Equipment:** Drones, Laser Scanners, GPS Devices

- **Research Methodologies:** Statistical Sampling, Experimental Design, Case Studies
- **Compliance Frameworks:** ANSI Codes, LEED Certification, NEC Regulations
- **Risk Management Tools:** RiskWatch, PMBOK, FMEA
- **Analytical Software:** RStudio, Python, SPSS

SKILLS

- AutoCAD
- Structural Analysis
- Team Collaboration
- Field Inspection
- Microsoft Office
- Technical Writing
- Project Management

PROFESSIONAL AFFILIATIONS

- Member, American Society of Civil Engineers (ASCE)
- Volunteer Engineer for local infrastructure improvement initiatives.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST