Leo Edwards

Structural Engineering Intern

(619) 555-0123 leo.edwards@example.com linkedin.com/in/leoedwards 123 Main Street, San Diego, CA 92101

STRENGTHS

Analytical Skills
Utilizes comprehensive analytical skills for structural safety evaluations. Excelled at data interpretation for critical projects.

Team Collaboration
Fosters strong collaborative spirit across diverse groups, nurturing friendships along the way. Seen as a trusted team member by peers.

Technical Proficiency
Excels in CADD applications and spreadsheet macros, leading project advancements. Peers value problem-solving ability with technology.

Attention to Detail
Maintains high attention to detail during project inspections, ensuring compliance with established protocols. This vigilance proves vital.

Presentation Skills
Creates engaging presentations to communicate technical findings effectively. Uses storytelling elements to elevate audience interest.

SKILLS

CADD | Data Management | Structural Analysis | Technical Writing | Excel | Engineering Design | Field Inspections | Shop Drawing Reviews | Project Compliance | Research Methods

SUMMARY

Detail-oriented Civil Engineering student with hands-on experience through academic projects and internships. Proficient in structural analysis and design principles, focusing on safety and compliance. Strong skills in CADD applications and Excel for data management build successful project outcomes. Collaborating effectively with teams, delivered solutions aligning with client requirements and industry standards. Engaged in leadership roles within academic settings, enhancing communication and teamwork skills while preparing for real-world engineering challenges. Eager to further contribute expertise at CDM Smith as an intern.

EDUCATION

Bachelor of Science in Civil Engineering

University of California, San Diego GPA: 3.7 2026 San Diego, CA

Coursework: *Structural Analysis, Design Principles, Fluid Mechanics, Soil Mechanics*

TECHNICAL SKILLS

- **CADD Software:** AutoCAD, Revit, MicroStation
- **Spreadsheet Applications:** Microsoft Excel, Google Sheets, LibreOffice Calc
- **Simulation Tools:** SAP2000, ETABS, RISA
- **Project Management Tools:** MS Project, Trello, Asana
- **Technical Standards:** ACI, ASCE, ASTM
- **Communication Tools:** Slack, Microsoft Teams, Zoom
- **Design Methodologies:** Conceptual Design, Detailed Design, Value Engineering
- **Risk Assessment Tools:** PIV, FMEA, SWOT
- **Survey Equipment:** Total Station, GPS Unit, Surveying Levels
- **Inspection Tools:** Thermal Camera, Ultrasonic Tester, Load Cells

EXPERIENCE

Structural Engineering Intern

University Project January 2026 - Present San Diego, CA

Supported the CADD Design Project, applying university CAD standards for effective structural modeling. Responsibilities included conducting web searches for product data updates and enhancing project database accuracy. Developed efficient Excel spreadsheets for complex calculations, contributing significantly to project progression. Participated in crucial field inspections, documenting site conditions and structural integrity to uphold safety codes. Reviewed shop drawings thoroughly, ensuring strict compliance with set specifications and quality standards.

- Created detailed CADD models enhancing design efficiencies for multiple projects.
- Streamlined data collection methods for product research using digital tools.
- Designed macros in Excel for automating repetitive tasks, reducing processing time.
- Assisted field teams in inspections, providing reports that improved safety practices.
- Reviewed multiple shop drawings, correcting errors to enhance overall project quality.
- Communicated findings to stakeholders, aiding timely decision-making processes.

Research Assistant

Academic Research September 2025 - December 2025 San Diego, CA

Contributed to a seismic evaluation research project analyzing existing structures under varying stress patterns. Collaborated extensively with professors and peers in experiment design and data collection, leveraging analytical skills throughout. Utilized CADD software for drafting extensive

Data Presentation

Collaboration Tools

Problem Solving

LANGUAGES

English — Native

Spanish — Proficient

MY CAREER

- Structural Engineering Intern at University Project (6 Months)
- Research Assistant at Academic Research (3 Months)
- Student Lab Member at Capstone Project (4 Months)

diagrams showcasing essential research insights. Compiled comprehensive technical reports summarizing critical findings, influencing recommendations for future engineering practices.

- Analyzed significant data sets, producing invaluable insights for structural integrity.
- Collaborated on designing experiments that assessed various loading conditions.
- Drafted clear diagrams using CADD software to support research conclusions.
- Generated detailed reports outlining measurement results and practical applications.
- Presented findings in departmental meetings, fostering peer feedback and discussion.
- Maintained accurate records of research activities, supporting project transparency.

Student Lab Member

Capstone Project | January 2025 - May 2025 | San Diego, CA

Developed structural designs collaboratively for a team's water treatment facility project, initiating condition surveys and assessment tasks. Conducted thorough investigations of proposed site structures to inform thoughtful design decisions. Produced professional design documents for stakeholders, successfully illustrating project objectives, methodologies, and anticipated outcomes. Ensured all proposed designs complied meticulously with industry standards and regulatory requirements.

- Coordinated design efforts among team members ensuring aligned objectives.
- Performed condition assessments and gathered data on site viability for construction.
- Created presentations highlighting key design elements, facilitating stakeholder approval.
- Applied rigorous standards reviews ensuring adherence to engineering principles.
- Documented processes and revisions meticulously preserving project history.
- Engaged constructively with critique from faculty, integrating feedback into work.

LEADERSHIP & AWARDS

- Dean's List, University of California, San Diego, Fall 2025
- First Place, Engineering Design Competition, 2025

CERTIFICATIONS

- Certified in CADD Fundamentals 2025
- OSHA 10-Hour Safety Training 2025

PROFESSIONAL AFFILIATIONS

- Member, Civil Engineering Society, 2024 – Present
- Participant, Annual Engineering Hackathon, 2025

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST