

# Chester Arguin

## Structural Engineer

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### Profile

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#### Details

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A results-driven Structural Engineer with 5 years of experience in designing, analyzing, and optimizing civil engineering structures. Proficient in utilizing advanced software tools to create innovative and cost-effective solutions for clients, while maintaining compliance with industry standards and regulations. Demonstrates strong project management skills with a proven track record of managing multiple projects simultaneously, meeting deadlines, and ensuring quality. Adept at collaborating with cross-functional teams to ensure seamless project execution and fostering long-term client relationships.

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### Employment History

#### Senior Structural Engineer at Engineering Design Technologies, Inc., AL

Apr 2023 - Present

- Successfully designed and implemented a structural retrofit for a 50,000 sq. ft. commercial building, resulting in a 25% increase in load-bearing capacity and extending the building's lifespan by 15 years.
- Managed and completed the structural analysis and design of a \$20 million bridge project, ensuring its completion within budget and ahead of schedule by 2 months, contributing to a 10% increase in company revenue for the fiscal year.
- Led a team of junior engineers in the development of an innovative seismic-resistant design for a 30-story residential building, reducing construction costs by 12% and improving overall safety and sustainability ratings by 20%.

#### Structural Engineer at LBYD, Inc., AL

Jul 2018 - Feb 2023

- Designed and successfully completed a 200,000 sq. ft. mixed-use facility, incorporating innovative structural solutions and saving the client 10% in construction costs.
  - Led a team of engineers in the structural design and analysis of a 50-story high-rise building, ensuring its stability and safety under various load conditions, resulting in zero structural issues during construction and after occupancy.
  - Developed and implemented a new streamlined design process for LBYD, Inc., reducing project turnaround time by 25% and increasing overall team productivity by 15%.
  - Managed the structural assessment and retrofit of a historic 100-year-old building, preserving its architectural integrity while bringing it up to current code requirements, ultimately extending its lifespan by an additional 50 years.
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