



ETHAN MARTINEZ

Senior Project Engineer

PROFESSIONAL SUMMARY

Results-focused Senior Project Engineer with 10 years of experience managing intricate engineering projects across multiple industries. Skilled in overseeing the entire project lifecycle, from concept to delivery, while ensuring adherence to budget and timeline constraints. Proven ability to lead diverse teams and implement effective solutions that drive operational success and enhance project outcomes.

WORK EXPERIENCE

Senior Project Engineer/Consultant Jan / 2019-Ongoing
Maple Leaf Consulting Toronto, ON

1. Conducted comprehensive physical mock-ups and design verifications for various vehicle systems, ensuring alignment with engineering specifications.
2. Transformed virtual design properties into tangible prototypes, effectively identifying and resolving engineering issues.
3. Collaborated with design engineers to rectify integration challenges prior to physical mock-up builds, enhancing project efficiency.
4. Redesigned aluminum spaceframe structures for the 2014 Chevy Corvette, transitioning from initial concepts to production-ready designs.
5. Engineered modifications for next-gen Chevy Volt components, streamlining the build process and improving performance.
6. Integrated new prototype designs into ongoing vehicle programs, ensuring compatibility and performance standards.
7. Developed a new seating design for the GMC Acadia, optimizing space utilization and occupant accessibility.

Senior Project Engineer Jan / 2015-Jan / 2019
Cactus Creek Solutions Phoenix, AZ

1. Designed laboratory ventilation systems, facilitating upgrades to critical research infrastructure.
2. Conducted structural analyses for high-rise laboratory renovations, ensuring compliance with safety standards.
3. Managed the construction of a hazardous materials storage facility, overseeing design and implementation phases.
4. Engineered renovations for "Day Tank" systems to support advanced glass melting technologies.
5. Developed comprehensive ventilation and exhaust systems for major building projects, improving operational efficiency.

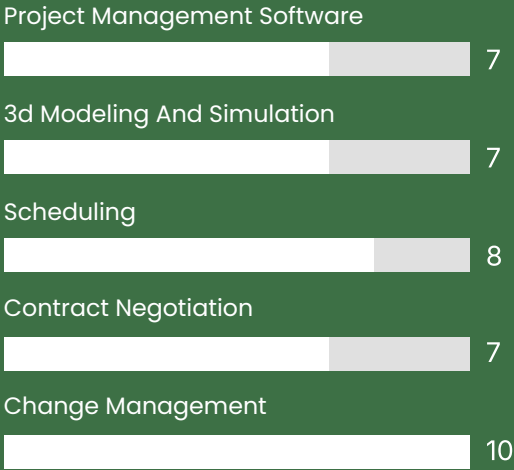
EDUCATION

Bachelor of Science in Mechanical Engineering Jan / 2012 - Jan / 2015
University of Michigan Portland, OR

Focused on mechanical systems design and project management principles.

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SKILLS



INTERESTS

Scuba Diving E-sports
Reading Fiction Puzzle Solving

STRENGTHS

Stewardship Teamwork
Tenacity Vision

LANGUAGES



ACHIEVEMENTS

- Successfully led a multi-million dollar project that improved operational efficiency by 30%, meeting all deadlines and budget requirements.
- Implemented a new project management framework that reduced project delivery time by 15%, enhancing client satisfaction.
- Spearheaded a cross-functional team that developed innovative solutions for complex engineering challenges, resulting in a 25% cost reduction.