

Artur Martirosyan

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Civil Engineering student with experience in CAD, structural analysis, and manufacturing through engineering internship and research projects. Seeking opportunities in structural engineering.

Education

- *California State University, Fresno* - B.S. Civil Engineering | GPA: 3.9 | (Exp. May 2028)
- *Fresno City College* - A.S. Industrial Technology, Manufacturing emphasis | GPA: 4.0 | (May 2025)

Work History

- *Engineering Intern, SAF-T-CAB* | 2024-2025
 - Completed nonlinear finite element analysis of rollover protective structures (ROPS) using SolidWorks software for ISO compliance verification under dynamic rollover loading conditions.
 - Developed and implemented production tooling and assembly fixtures that reduced human error by 90%, resulting in improved manufacturing efficiency.
 - Created fabrication and engineering drawings in accordance with company drafting standards and GD&T (Geometric Dimensioning and Tolerancing) best practices.
 - Performed inspections and evaluated five tractor cab systems to support QA and compliance verification.

Volunteer Work

- *Cabinet Design and Installation Volunteer* | 2021- 2026
 - Drafted detailed layout plans for cabinetry, converting measured field data into drawings.
 - Supported installation process, utilizing hand tools, power tools, and shop equipment.
 - Streamlined client documentation, invoicing, and job records, supporting small business operations.

Skills

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| • SolidWorks (CSWA Certified) | • CNC machining |
| • AutoCAD | • MIG & stick welding |
| • Drafting technical drawings | • 3D printing (FDM) |
| • Structural analysis | • Tooling and Fixture design |

Leadership & Involvement

- *Research Project* - “Stairway congestion during multistory building evacuations” | 2026 - *present* |
Presented at LCOE Projects Day; upcoming presentation at the 2027 ASCE Conference
- *CAD & Manufacturing Clubs* | 2023 - 2025 |
Placed Top 2nd in SkillsUSA and Fresno City College CAD competitions.
- *Woodworking Club* | 2022 - 2024 |
As a co-founder of the club, led four collaborative build projects from concept to completion.