Grady Conwell

Pasadena, CA │ 818-928-9441 │ gradyconwell@icloud.com │ 3.9/4.0 GPA │ gradyconwell.com

EDUCATION

Pasadena City College │ 2023-2024

B.S. in Mechanical Engineering, California State University - Chico │ Expected graduation: Spring 2027

EXPERIENCE

2025-26 Copper │ Mechanical Engineering Intern
- Engineered, validated, and qualified injection-molded cantilever snaps from concept to production.
- Supported NPI by designing fixtures, authoring SOPs, drafting electrical harness drawings.
- Sheet metal design (drafting, CAD, related assemblies).

2023-26 Boutique Stationary Design and Machining │ https://www.ebay.com/usr/grcon-1
- Achieved 100% positive feedback across 600+ sales and 200+ written reviews.
- Continuous reduction of COGS and steady sales growth over 2.5 years.
- Managed ongoing relationships with key suppliers.

2025-26 Chico State Society of Manufacturing Engineers │ Co-Chair, Vice President
- Mentor to members on machining, design for manufacturing, controls.
- Hardware & Controls lead for SME's humanoid robot arm development project.

ENGINEERING PROJECTS │ Full portfolio on gradyconwell.com

2024-26 Compact Gang Tool CNC Lathe │ Ongoing
- Hand fabricated mineral casting, aluminum frame.
- Engineered custom control cabinet and drive system.

2022-24 High Speed FFF 3D-Printer & Bench top Aluminum Router
- Two complete end-to-end projects based on original designs.

SKILLS

CAD / CAM
- Proficient in Autodesk Fusion 360, SolidWorks (CSWP)
- Extensive project experience with large assemblies, motion systems, manufacturing drawings.

Programming
- Project experience with JavaScript, C++, Python, LaTeX. Classroom experience with MatLab.
- Project experience working with ESP32 based devices.

Other
- Operation, repair and maintenance of prosumer 3D printers, esp. Prusa.
- Working knowledge of creative software (Affinity, Apple Creator Studio, Adobe).

Last Updated: Jan. 2026