

ABIGAIL “ABBY” BEULKE

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EDUCATION

California State Polytechnic University, Pomona (CPP)

August 2024 – Expected: May 2028 (Senior Standing)

Mechanical Engineering, B.S with a Minor in Mathematics

- GPA: 3.44
- Member of MEP-WiSE (2024-Present), Finish in Four Graduation Pledge (2024-Present), MSI Sophomore Success (2025-2026), President's List (2024-2025)
- Major Courses Completed: Vector Statics, Vector Dynamics, Mechanics of Materials, Thermodynamics, Intro to Design, Fluid Mechanics, Stress Analysis, Engineering Materials, Manufacturing Systems & Processes
- Minor Courses Completed: Calculus I-III, Linear Algebra & Differential Equations, Intro to Mathematical Proof

SKILLS

- **Engineering & Technical:** SolidWorks, MATLAB, Data Analysis, Java
- **Tools & Software:** Adobe Creative Cloud, Google Workspace, Microsoft Office, Logiforms
- **Professional:** Technical Documentation, Team Collaboration

EXPERIENCE

Assistant IT Administrator | Vertical Printing & Graphics

May 2025 – Present | Encinitas, CA

- **IT Support** - Designed and implemented a cloud-based workflow automation system (Logiforms) for internal job ticket and production work order generation, including digital order tracking, client data organization, traceability, and process efficiency. Installed, configured, and documented a Network Attached Storage (NAS / QNAP) system to support secure data storage, backups, and multi-user access both on- and off-site.
- **Online Campaign** - Developed and executed a multi-month online marketing campaign using Meta Business Suite and LinkedIn, integrating targeted advertisements and promotional incentives to drive online engagement.

Production & Pre-Press Assistant | Vertical Printing & Graphics

April 2020 – April 2025 | Encinitas, CA

- **Customer Service & Communication** - Front desk service, directing and answering inquiries for walk-in customers.
- **Production Design** – Used Adobe Suite for graphic design and print production.

Private Tutoring

October 2022 – Present | In Person & Remote

- **Multi-Subject Tutoring** – Educating in Mathematics, Chemistry, and Physics, explaining complex technical concepts clearly to diverse audiences and ages.
- **Diversified Education Strategies** - Working with students on day-to-day homework, test prep, and fluency problems. Developed structured problem-solving approaches for math and physics concepts.

UCSD DERConnect Internship

Fall 2023 | La Jolla, CA

- **Power Consumption Log** - Analyzed and documented power consumption data to support the development of an algorithm for optimizing appliance usage schedules.
- **Kleissl Lab Redesign** - Redesigned and budgeted a derelict lab to cater to the responses of a survey for a team of students at UCSD.
- **HVAC System Database** - Synthesized and organized a HVAC systems database (30,000+ data points) for use by engineering professionals, supporting system analysis and future planning.

VOLUNTEERING

- **North County Resource Center** (2015-Present) Volunteering at the annual “Pride by the Beach” festival, Zoom Seminars, Meet & Greet, and food & supply distributions.
- **Unhoused Give Back** (2011-Present) Facilitated and coordinated an annual resource distribution for unhoused in San Diego. Led a social media campaign to call for others to donate their belongings.