

# JORDAN BISHOP

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## EDUCATION

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California Polytechnic State University - San Luis Obispo  
Bachelor of Science in **General Engineering**, June 20xx

- Coursework focused on Industrial Engineering supplemented with Mechanical Engineering and Business

## WORK EXPERIENCE

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E&J Gallo Winery - Modesto, CA

**Production Engineering Co-op** (6 Months)

June - December 20xx

- Solely handled all Production Engineering responsibilities on three high-speed bottling lines.
- Created systems to track and reduce variability in equipment center setups, resulting in improvements to first-pass quality and decreased ramp up time.
- Improved operator-machine interfaces, resulting in decreased changeover time and steeper learning curve.
- Led initiatives to reduce variability in equipment centers through physical modifications, resulting in decreased downtime and improved insight into machine vs. materials issues.
- Solved problems using root cause analysis and A3 statistical methodology.
- Supported continuous improvement efforts including new feature implementation.
- Wrote quantitative performance-testing procedures for acceptance-testing of new equipment centers.
- Gained the support and buy-in of 35+ long-time operators through continuous teaching and demonstration of project success.

## RELEVANT PROJECTS

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- **Geothermal Heat Pump System** - Designed a geothermal heat pump system to fulfill the HVAC needs of a new townhouse development. Process included selection of materials, bores, piping, valves, and pumps as well as analysis of fluids, heat transfer, thermodynamics, and economics to create a practical and cost efficient system.
- **Electric Go-Kart Redesign** - Collaborated in a team to redesign a recreational, gasoline-powered go-kart to become a high-performance electric go-kart. Process included selecting a new motor, power source, user interface, bearings, and braking system and designing the gear train, rear axle, battery cages, and housings. Enhanced teamwork, communication, and project management skills.
- **Cable Gondola** - Designed and prototyped a compact, detachable, self-powered gondola that can be easily utilized in developing countries.
- **Walker Stabilizer** - Led team of six engineers to design an internal support and external stabilizer for a rehabilitation walker to reduce the risk of tripping or induced tipping.

## SKILLS

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SolidWorks	Statistical Test Design	Statistical Analysis
Excel, PowerPoint & Word	Minitab Software	Variance Control
Technical Writing	Gauge R&R	Human Centered Design
Ideation & Prototyping	Root Cause Analysis	Microsoft Project

## INVOLVEMENT AND INTERESTS

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- University Jazz Band - Cal Poly 20xx - Present
- Cal Poly Wheelmen 20xx - Present
- Interests: Surfing, skiing, rock climbing