**Jordan Bishop**

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**EDUCATION**

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**

**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**

* **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**

 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

**INVOLEMENT AND INTERESTS**

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