Cameron Myers

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Education

University of California Berkeley, BA in Physics, Minor in Astrophysics — Aug 2022 - Dec 2024

- **Relevant Coursework:** Quantum Mechanics, Particle Physics, Statistical and Thermal Physics, Electromagnetism and Optics, Nuclear Physics, Stellar Astrophysics, Cosmology

Grossmont College, AS in Math with Honors, AS in Physics with Honors — Aug 2017 - June 2022

- **Relevant Coursework:** Public Speaking, Philosophy, Linear Algebra, Calculus, Differential Equations, Thermodynamics and Electromagnetism, Optical Physics

Experience

Manufacturing Operations Manager, Imtyris LLC; FlagPole Buddy – San Diego, CA — July 2019 – Aug 2022

- Optimized 3D structure and build times of production parts.
- Managed and maintained a dozen 3D printing machines to keep up with output expectations.
- Oversaw shipping operations including managing inventory, shipping individual orders, shipping bulk orders via pallet, and receiving incoming shipments.
- Experience with supervising and training employees.

Production Assistant, Clearly Superior Technologies – San Diego, CA — June 2017 – June 2019

- Worked with product testing and quality control of components and finished products.
- Worked with equipment like bandsaws, belt sanders, centrifugal barrel finishers, and injection molds.
- Rudimentary experience with circuit board layout and soldering.

Projects

Circuits Lab

- Created circuits on a breadboard with components such as diodes, op amps, and JFETs including a working AM radio and a heartbeat sensor.
- Tools Used: Waveform generator, Oscilloscope, Digital multimeter, and Python.

Quantum Interference and Entanglement Lab

- Used optical components to manipulate a high powered laser to test quantum phenomena such as entanglement.
- Tools Used: LabView, Wave plates, Beam splitters, Nonlinear crystals, and Photodiodes

Non-Linear Dynamics Lab

- Used LabView to acquire data on the bifurcation routes of a P-N Junction diode in order to better understand chaos theory.
- Tools Used: LabView and an Oscilloscope.

Gamma Ray Spectroscopy Lab

- Observed the gamma ray spectrography of various radioactive sources using a scintillator and photomultiplier.
- Tools Used: LabView, Digital delay operator, Photomultiplier, and Oscilloscope.

Skills

Languages: Python, html, Java

Software: Fusion 360, 3D slicers (mostly Simplify 3D and PrusaSlicer)