Ben Myers

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EDUCATION

University Of California, Berkeley **May 2023**

Physics **GPA:** 3.2

Relevant Courses: Discrete Math, Differential Equations, Linear Algebra, Quantum Mechanics, Analytic Mechanics, Statistical and Thermal Physics, Modern Physics and Advanced Electrical Laboratory, Electromagnetism and Optics

TECHNICAL INTERESTS

Python, JavaScript, PostgreSQL, FastAPI, Jinja2, Venv, Pip, Git, Docker, HTML5, CSS, Pandas, Matplotlib, Railway, Render

PROFESSIONAL EXPERIENCE

Art Ecommerce, LLC • artecommercellc.com • briglightart.com **April 2024 - Current**

Founder and CEO *Encinitas, CA*

- Constructed a secure, fully functional e-commerce web app with FastAPI, Python, JavaScript, and PostgreSQL.
- Integrated real-time product updates from database records into the website using Jinja2 templating and Stripe API.
- Secured a California seller's permit, local business license, and registered a foreign out-of-state LLC.

Computacenter **December 2023 - April 2024**

Contract Software Engineer *Remote*

- Engineered a robust API endpoint to sync customer data from ServiceNow to PRTG with FastAPI and JavaScript.
- Deployed comprehensive Python scripts to create custom thresholds for hardware alerts in VMWare's vCenter.
- Compiled data tables of device hardware and update alerts for customer email reports with Python and Jinja2.

PROJECTS

Muon Detection **April 2023**

UC Berkeley Lab

- Developed Python scripts to accurately calculate mean muon lifetime values by processing large datasets.
- Enhanced muon data quality using noise reduction and statistical methods with Numpy, Scipy, and Pandas.
- Applied data visualization techniques using Matplotlib to present and analyze muon detection results.

Carbon Dioxide Laser **February 2023**

UC Berkeley Lab

- Visualized voltage and current data collected from laser experiments using Matplotlib for exhaustive analysis.
- Evaluated specific atomic energy level transitions of carbon dioxide to develop precise calibration techniques.
- Conducted extensive experiments by adjusting laser wavelengths to optimize system performance.

Audio Laser **December 2022**

UC Berkeley Lab

- Utilized LabVIEW software for streaming audio files and precise control of the audio laser system.
- Transmitted high-fidelity sound using modulated LED signals to a photodiode, leveraging operational amplifiers.
- Refined sound quality by optimizing digital and frequency modulation techniques while minimizing noise.

PUBLIC SPEAKING EXPERIENCE

Alumni QA Speaker **June 2024**

UC Berkeley Career Center

- Delivered a presentation on software development contracting, focusing on client retention and satisfaction.