

Jacob Pierson

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OBJECTIVE:

To gain practical laboratory and research experience while obtaining an education in physics.

EDUCATION:

WASHINGTON STATE UNIVERSITY

MAY 2024

- Physics, Bachelor's of Science - 3.2 Grade Point Average

COLORADO STATE UNIVERSITY

MAY 2010

- English Literature, Bachelor's of Arts - 3.5 Grade Point Average

COURSEWORK:

- Electronics Lab; Classical & Quantum Mechanics; Optics
- Differential Equations; Linear Algebra
- Applied Numerical Methods; Astrophysics

WORK/EXPERIENCE:

TECHNICAL ASSISTANT - FUNDAMENTAL QUANTUM PHYSICS LAB

SEPT. 2022-PRESENT

- Program timing protocol routine (Labview FPGA) for BEC experiments
- Develop and implement various scripts/interfaces (C++, Python, Labview) for sensors, lab hardware (Arduino, NI DAQ/RIO boards, DLP Lightcrafter)

TECHNICAL ASSISTANT - INSTITUTE OF SHOCK PHYSICS

SEPT. 2022-JULY 2023

- Disassemble and precise detail clean impact guns between experiments
- Track and maintain inventory, assist daily lab operation

FREELANCE - CHIRAL CRAFTS LLC (SELF-EMPLOYED)

JAN. 2021-PRESENT

- Design and fabricate commissioned metalwork
- Knife & tool sharpening

CULINARY TECHNICIAN - VARIOUS

JUNE 2009-MARCH 2022

- Scratch cooking for various restaurants, from fast-casual to hotel & fine-dining, many chef/lead roles
- Kitchens teach efficient collaboration, effective communication, focus and attention to detail
- Wove mise en place through my soul

SKILLS:

Solidworks Python C++
Pasta Tacos
Brevity