

Jacob Pierson

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OBJECTIVE:

To gain practical laboratory and research experience while obtaining a physics education, then to pursue a career in experimental research

EDUCATION:

WASHINGTON STATE UNIVERSITY

DEC. 2024

- Physics, Bachelor's of Science - 3.4 Grade Point Average

COLORADO STATE UNIVERSITY

MAY 2010

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

WORK/EXPERIENCE:

TECHNICAL ASSISTANT - FUNDAMENTAL QUANTUM PHYSICS LAB

SEPT. 2022-PRESENT

- Program timingtrigger control system for BEC experiments with sub-microsecond synchronization (Labview FPGA)
- Develop graphical interface for streaming/logging magnetometer data (Arduino)
- Laser profiling helper scripts using webcam (OpenCV, scikit-image)

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/fabricate commissioned metalwork
- Knife and tool sharpening

CULINARIAN - VARIOUS

JUNE 2009-MARCH 2022

- Scratch cooking for various restaurants, from fast-casual to hotel and fine-dining, many chef/lead roles
- Honed efficiency, effective collaboration/communication, focus and attention to detail in the accelerated frame of commercial kitchens
- Wove mise en place through my soul

COURSEWORK/ACADEMIC ACHIEVEMENTS:

- Electricity & Magnetism; Classical & Quantum Mechanics
- Electronics Lab; Quantum Lab; Optics; Astrophysics
- Differential Equations; Linear Algebra; Applied Numerical Methods
- Recipient Paul A. Bender Physics Scholarship & Physics Excellence Fund

SKILLS:

Solidworks Python, C++ Labview
Pasta Tacos
Brevity