

Kristian Pahe

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Career Objective

A position as a lab technician, handling fragile materials, working for a research company specializing in neutron bombardment of novel materials that are to be used for moderating and shielding.

Educational Background

Bachelor of Science, University of New Mexico, expected May 2026

Major: Nuclear Engineering

Associate of Science, University of New Mexico - Gallup, May 2018

Work Experience

Intern Lab Assistant, December 2020 - August 2021

UNM Dept. of Nuclear Engineering, Albuquerque, New Mexico

- Handled fragile and sensitive radioactive solid materials using UNM's hot cell.
- Catalogued neutron sources for use in on-site reactor.
- Aided research by irradiating samples to a neutron source.
- Analyzed radiation damage of tungsten, zirconium hydride, and yttrium hydride samples.
- Helped lab advisors to set up lab instrumentation for student experiments.

Food Service Worker, August 2018 - December 2020

Compass Group USA, University of NM La Posada Dining Hall

Skills

Computer Experience: Excel, Outlook, PowerPoint, Word, and \LaTeX typesetting applications.

Programming: Working Knowledge in Python and MatLab, and some experience in FORTRAN, and Rstudio.

Reactor Operation: Operated startup of AGN-201M reactor to criticality, handled safety checks, removed and inspected fuel discs, initiated shutdown, including Scram shutdowns, and obtained NRC license for UNM's on-site reactor operation (August 2024).

Communication Skills: Technical reports, Presentations, Group Projects, Risk Assessments.

Awards and Memberships

Member of American Nuclear Society

Member of American Indian Science and Engineering Society (AISES)

Awarded "Notable Upcoming Research" by AISES, 2020

References Available Upon Request

Karl Williard, Chief Reactor Supervisor at UNM-NE Dept. (505) 555-6667

Raul Davidson, Reactor Administrator at UNM-NE Dept. (505) 555 1666