

Robert James Aldridge

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Education

Oregon State University

Candidate for Masters of Science in Nuclear Engineering

Corvallis, OR

June 2013

GPA: 4.0/4.0 (Unofficial transcript available upon request)

Relevant Courses:

Nuclear Reactor Thermal Hydraulics, Applied Thermal Hydraulics, Intermediate Fluid Dynamics, Neutronic Analysis I&II, Advanced Reactor Physics, Reactor Systems Design, Reactor Safety, Reactor Operator Training, Radiophysics, Nuclear Rules and Regulations

Computer Code Experience:

RELAP5-3D (proficient), CASMO, SIMULATE, MCNP

Whitworth University

Bachelors of Science in Physics
with a minor in Mathematics

Spokane, WA

May 2011

Overall GPA: 3.48/4.0

Science/Math GPA: 3.61/4.0 (Unofficial transcript available upon request)

Relevant Courses:

Three semesters of Intro Physics, Electronics, Mechanics: Dynamics, Advanced Dynamics, Quantum Mechanics, Nuclear Physics, Thermodynamics, Electricity Magnetism I & II, Optics, Math Methods for Scientists and Engineers, Linear Algebra, Numerical Analysis, and Computer Science 1

Programming Languages:

C++, MatLab, Mathematica, Basic Stamp, Java, LabVIEW

Current Research Project

Oregon State University Nuclear Engineering
Department

Corvallis, OR (541) 737-2343

Advisor: Dr. Brian Woods

- Exploring and analyzing the scaling methodology used to design OSU's High Temperature Test Facility (HTTF), an integral test facility based on the Modular High Temperature Gas Reactor (MHTGR)
- Building a systems model of the MHTGR and HTTF in RELAP5-3D to simulate