

Nick Hobbs

U.S. Nuclear Regulatory Commission

EDUCATION AND AWARDS

Master of Science in Nuclear Engineering

Georgia Institute of Technology

May 1, 2015

- National Academy for Nuclear Training Fellowship sponsored by Institute of Nuclear Power Operations
- Concentration in Nuclear Enterprise Management

Bachelor of Science in Nuclear and Radiological Engineering

Georgia Institute of Technology

May 3, 2014

- NRE Scholarship sponsored by the Nuclear Regulatory Commission
- IBM Thomas J. Watson Memorial Scholarship
- National Merit Scholarship

WORK EXPERIENCE

U.S. Nuclear Regulatory Commission

Reactor Systems Engineer, Division of Safety Systems, Office of Nuclear Reactor Regulation

September 2015 – Present

- Nuclear Safety Professional Development Program (NSPDP)
- Training to be Reactor Technical Inspector

TerraPower

Reactor Safety Analysis Intern, Safety Analysis Team

May 2014 – August 2015

- Designed a thermal-hydraulic core model in RELAP5 to analyze multi-dimensional coolant flow patterns
- Quantified expected errors associated with various thermal-hydraulic correlations used in reactor core models
- Authored currently-implemented technical reports detailing my thermal-hydraulic recommendations

Oak Ridge National Laboratory

Nuclear Engineering Intern, Nuclear Fuels Storage and Transportation

June 2013 – May 2014

- Reviewed over 700 documents to help build DOE's database on spent fuel management
- Wrote internally-used white papers on technical knowledge gaps in design of a spent fuel storage facility

Newport News Shipbuilding

Nuclear Engineering Intern, Refueling and Complex Overhaul

June 2012 – August 2012

- Performed calculations to analyze demolition procedures for Nuclear Navy training sites
- Documented overhaul procedures for USS Roosevelt

NAC International

Engineering Intern

May 2011 – October 2011

- Analyzed thermal loads of spent fuel storage casks in order to predict cask reliability
- Analyzed structural integrity and free volumetric capacity of storage cask designs

Georgia Tech Physics Department

Teaching Assistant

January 2011 – May 2011

- Organized and oversaw Modern Physics laboratory classes and provided tutoring as needed