

# Nicholas Scott Plate

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## CURRENT CAREER OBJECTIVE

To obtain a position for the duration of summer 2012 which contributes directly to naval nuclear propulsion and will result in an understanding of nuclear related systems.

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## EDUCATION

**Bachelor of Science in Mechanical Engineering**  
**Bachelor of Science in Nuclear Engineering**  
**Minor in Engineering Mechanics**  
**The Pennsylvania State University – University Park, PA**

**Cumulative GPA**  
3.90/4.00  
**Expected Graduation**  
December 2012

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## EXPERIENCE

***Nuclear Propulsion Officer Candidate (NUPOC) – Naval Reactors Engineer – United States Navy***  
Naval Reactors – Washington Navy Yard, D.C. (June 2011 – Present)

- Currently an enlisted member of the USN reserve on active duty at rank OCPO1 (paygrade: E-6)
- Commitment of 5 years after graduation and commissioning at Officer Development School
- Will undergo extensive training on naval reactor systems including Bettis Reactor Engineering School

***Teaching Intern – Department of Mechanical and Nuclear Engineering – Pennsylvania State University***  
Analytical Techniques for Nuclear Concepts (NucE 309) – University Park, PA (August 2011 – Present)

- Held office hours, preformed review sessions, helped in grading exams, and added material to the course
- Topics covered: differential equations, matrices, probability and statistics, and Laplace transforms

***Engineering Intern – Westinghouse Electric Company***  
US PWR Refueling and Outage Services Products – Madison, PA (May 2011 – August 2011)

- Designed and developed a hydraulically automated underwater flux thimble cutting and disposal tool
- Redesigned nuclear refueling tools and worked on full scale mock-ups of commercial reactor components
- Utilized the Inventor CAD software throughout most projects and received basic radiation safety training

***Mechanical Engineering Intern – Thermo Fisher Scientific***  
Laboratory Consumables Division – Bellefonte, PA (May 2010 – May 2011)

- Specialized in applying the SolidWorks CAD software to identify design flaws in current products
- Redesigned a product line of 9mm resin caps and glass vials used in labs and industry worldwide

***Teaching and Lab Assistant – College of Engineering, SEDTAPP – Pennsylvania State University***  
Introduction to Engineering Design – University Park, PA (January 2010 – May 2010)

- Taught the fundamentals of the SolidWorks program through tutorials and personalized projects
  - Supervised design lab activities and helped grade coursework assigned by the professor
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## ACTIVITIES AND AWARDS

- Student Member of the American Nuclear Society
- Officer of Tau Beta Pi – Engineering Honors Society
- THON Operations Committee Member (2010)
- THON Rules and Regulations Committee Member (2009)
- Participant in the Penn State Ice Hockey Program
- Member of the Penn State Golf Club
- American Nuclear Society Undergraduate Scholarship
- Louis Harding Memorial Scholarship in Mechanical Engineering
- Monty Schultz Memorial Scholarship in Nuclear Engineering