

## Education

### **B.S. Mechanical Engineering**

North Carolina State University, Raleigh, NC

Expected graduation: May 2010

### **Nuclear Electrician, United States Navy**

- Operator Training MTS-626 Prototype, Goose Creek, SC, 26 weeks, December 1998
- Naval Nuclear Power Training Center, Orlando, FL, 24 weeks, June 1998
- Nuclear Field "A" School, Electrician's Mate, Orlando, FL, 16 weeks, November 1997

## Specialized Design Projects

Small Scale Bridge  
Motorcycle Transmission  
CH-53 Helicopter Support Equipment

Dragster Clutch Pack  
Power Plant Steam Condenser

## Work Experience

### **Nuclear Plant Operator-Electrical, USS Enterprise, US Navy, 1999-2003**

- Monitored and controlled a 20-MW electrical distribution system within electrical tolerances.
- Directed and supervised up to 12 technicians in normal electric plant operations, ship's emergencies and all related incidents.
- Ensured continuous power to vital loads pertinent to the ship's operation.

### **Maintenance Technician, USS Enterprise, US Navy, 1999-2003**

- Supervised electrical overhaul projects that required up to 15 people to complete.
- Performed required inspections and routine maintenance on over 200 pieces of electrical equipment significant to the ship's operation, including.
  - 2.5 MW 450 VAC Turbine Generators
  - 450 VAC Motors
  - 1 MW 450 VAC Diesel Generators
  - 450 VAC Circuit Breakers
  - 450 VAC Motor Controllers and ABT's
  - 120 VAC Lighting and Controls
- Ensured the electrical isolation and repair of damaged breakers, motors and generators.

### **Hazardous Materials Division Representative, USS Enterprise, US Navy, 2000-2002**

- Supervised up to 60 people in their use of hazardous materials.
- Managed the checkout, storage and disposal of all hazardous materials on hand.

## Computers

- Proficient in SolidWorks, FORTRAN, and Microsoft Office Applications
- Familiar with MATLAB, Simulink, and ANSYS

## Honors and Societies

- Honorable Discharge, Good Conduct Award, Meritorious Unit Commendation, Letter of Commendation
- Member, NC State Student Chapter, American Society of Mechanical Engineers
- Perform own vehicle maintenance, carpentry, and plumbing
- Member of Tri-Sports Softball League
- Volunteer at Washington GT Elementary School