

the Depressurized Conduction Cooldown (DCC) transient

## Relevant Experience

Oregon State University Nuclear Engineering  
Department

Corvallis, OR (541) 737-2343

### **Graduate Teaching Assistant**

September 2011 - Present

- GTA for sophomore level introductory nuclear physics course sequence and senior level Thermal Hydraulics and Systems Design courses.
- Responsible for grading homework assignments and exams
- Held weekly office hours for students

Oregon State University Nuclear Engineering  
Department and TerraPower LLC

Corvallis, OR (541) 737-2343

### **Graduate Research Assistant**

June 2012 - September 2012

- Responsible for identifying building codes and limitations of concrete and insulation for use in high temperature applications
- Developed a 1-D heat transfer code to evaluate the cooling and insulation requirements for the conceptual design of a reactor cavity cooling system

Pololu Robotics and Electronics

Las Vegas, NV (702) 262-6648

### **Technical Support Representative**

June 2011- August 2011

- Replied to customer emails and forum posts answering basic technical questions
- Maintained, updated, and corrected product information on the company web site
- Recalibrated the temperature distribution in an SMT solder reflow oven to improve the quality of solder joints on PC boards
- Designed metal SMT stencils to be used in high-volume manufacturing runs of PC boards with surface-mounted components

Whitworth University Physics Department

Spokane, WA (509) 777-3265

### **Summer Research Experience**

Summer 2009

- Relocated the University's telescope to an isolated mountaintop
- Calibrated a remote telescope and camera for research use
- Developed unique robotic systems to maintain telescope and enhance functionality
- Continued work through next academic year developing support systems

Whitworth University Physics Department

Spokane, WA (509) 777-3265

### **Physics Laboratory Grader**

Fall 2008-Spring 2011

- Responsible for grading laboratories for Intro to Astronomy, Intro Physics, and Electronics