

## TOM NORBY

Oak Ridge National Laboratory  
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## EMPLOYMENT

Oak Ridge National Laboratory

### **Technical Staff – Software Developer**

**Oct. 2019 – Present**

- Develop software tools to support nuclear security and science.
- Support projects and multiple platforms using varied languages and tools including Java, C++, Python, Qt, MySQL, CSS, CMake, and ANT.
- Projects include:
  - Fallout Inject Tool
  - Reactor Target Activation Analysis GUI

Garmin International

### **Software Engineer 2; Airframe Lead**

**May 2017 – Sep. 2019**

- Resolved customer and corporate change requests.
- Crafted traceable and verifiable requirements that address requests.
- Implemented embedded software solution for aircraft avionics in C.
- Verified software solutions address FAA regulated testing and documentation.

Phoenix Children's Hospital

### **Student Software Engineer**

**Sep. 2016 – Aug. 2017**

- Working in a team of four crafted an application that helped model medical scans and export to .x3d, a file format easily represented by HTML5.
- Utilized the Scrum SDLC with two week sprints to provide functional milestones to the sponsor during development.

QuikTrip

### **Second Assistant**

**Jun. 2008 – May 2017**

- At Store #482:
  - Helped train and develop 18 junior assistants and clerks.
  - Assist with ordering \$1.4 million in merchandise annually from 19 vendors.
  - Assist team with completing over 800,000 register transactions annually.

United States Marine Corps

### **Heavy Equipment Operator; Sergeant**

**Jan. 2003 – Jan. 2009**

- Supervised and developed Fire Team Leaders
- Mustered and checked readiness of 42 Marines through IDs, weapons cards, and uniforms.
- Assisted heavy equipment and motor transport sections of support platoon with preventative maintenance, limited technical inspections and operations on 17 pieces of equipment.
- Conducted a company wide motorcycle safety class.

DBA Construction, Inc.

### **Grade Checker; Heavy Equipment Operator**

**Aug. 2006 – May 2008**

- Operated heavy equipment such as graders, scrapers, forklifts, front end loaders, compactors, excavators and surface mining equipment.
- Converted blueprint instructions to wood lathe stakes in preparation for project execution.
- Utilized GPS equipment to make scale maps used for cost and materials estimations.
- Identified faults and recommended changes in blueprints for Palo Verde Nuclear Station's railroad construction.
- Received training or certifications in OSHA, ORM, MSHA, First Aid and CPR.

## EDUCATION

Arizona State University  
**BS Software Engineering**  
Honors: Summa cum laude

**May 2017**

**AWARDS**

Combat Action Ribbon, Navy Unit Commendation, Meritorious Mast

**Nov. 2004**