

Powell Barber

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OBJECTIVE

I am seeking a position that will allow me to leverage my diverse technical skills set while providing opportunities for professional growth and creative expression.

EXPERIENCE

Sr. Engineer, Dept. of Physics, Florida State University, Tallahassee, FL — Sep 1991 - Present

- Prepare thin-film, thin-foil, thick and gaseous, isotopically-enriched targets for use in Florida State University's Tandem Van de Graaff and Superconducting RF Linear Particle Accelerator Laboratory.
- Design and supervise the construction of Vacuum Systems and Beamline components. Maintain fleet of vacuum pumps and ancillary equipment.
- Maintained the laboratory's inventory of High Purity Germanium (HPGe) Detectors, including testing and calibration of Amatek/Ortek GMX/LEP and Eurisys Clover detectors.
- Member, International Nuclear Target Development Society, American Vacuum Society.

Energy Conservation Analyst, Florida State University, Tallahassee, FL — May 1990 - Sep 1991

- Identified sources of energy waste in small business facilities and presented recommended corrective actions to business owners.

Technical Instructor, Naval Submarine Base, New London, CT — Mar 1985 - Apr 1988

- Taught maintenance and tactical employment of the AN/WLR-8(V)2 Countermeasures Receiving set in both lecture and laboratory environments.
- Developed and revised curriculum with an emphasis on testing.
- Awarded Master Training Specialist in recognition of superior performance.

Prototypical Electronics Assembler, Ship Analytics, Inc., North Stonington, CT — Jul 1987 - Feb 1988

- Assembled circuit card assemblies, modules and systems from schematics and engineering drawings, ensuring adherence to Mil-Spec Standards.
- Co-developed peer review quality control program.

Senior ESM Technician, USS Bergall SSN 667 USN, Homeport: Norfolk, VA — Mar 1983 - Mar 1985

- Analyzed radar emitter parameters to obtain source identification for tactical exploitation. Advised Officer of the Deck on the electro-magnetic environment and threat of detection.
- Operated and maintained the AN/WLQ-4 Countermeasures Receiving Set, AN/BPS-14 Radar, Type 18D Periscope and AN/APX-72 IFF systems.
- Qualified in Submarines.

Electronics Technician, USS L.Y. Spear AS-36 USN, Homeport: Norfolk, VA — Nov 1981 - Mar 1983

- Executed Intermediate Maintenance Activity (IMA) level repairs on wide variety of tactical electronic submarine systems.
- Coordinated maintenance activities with vendors, technical representatives, host ship, and other repair departments.

EDUCATION

- Florida State University, Tallahassee, FL — B.S. Physics, awarded May 1991
- 17 Additional Semester Hours in Computer Science
- Gulf Coast Community College, Panama City, FL — A.A. Pre-Engineering, awarded May 1989
- Over three years cumulative technical training in electronics

SECURITY CLEARANCE

Available upon request.

REFERENCES

Available upon request.

INTERESTS

In the past, I have enjoyed such things as performing music, backpacking, canoeing, and reading. Lately, however, I spend as much time as possible at play with my 6-year old son Joshua, which usually involves Star Wars, Wii, or Golf (goofy or otherwise).