



## FUNCTIONAL RESUME

- ✓ Utilized advanced composite construction techniques to fabricate hovercraft.
- ✓ Molded machined and bonded assemblies from carbon fiber, metals and urethane skirting materials.
- ✓ Personal shop includes mechanical and metal fabrication; lathe, mill, MIG, TIG and GAS welding, plasma cutting, upholstery and electronics.
- ✓ Restored and mechanically upgraded vintage vehicles, designing and fabricating custom parts including fuel injection.
- ✓ Wired and installed navigation, communications and electrical systems.
- ✓ Developer of webpages and micro-controller hardware and software.
- ✓ Manufactured power and control electronics for commercial and military aircraft.
- ✓ Worked to FAA requirements to test, troubleshoot, repair and re-certify equipment for flight.
- ✓ Directly involved with fiber optic equipment installation, interconnection and testing new network Information Center. Specialized in reducing complexity and quantity of equipment to connect users, providing long distance connections between Washington, Oregon and California including telephone and internet routing.
- ✓ Maintained, modified and installed communication equipment for 911 dispatch center and its remote sites, including radio and computer network and facility maintenance. Documented custom designs with schematics.

### WORK HISTORY

Amphibious Marine	Fabricator/Assembler	5/18 – 1/19
ESD113 After School	Academic Coach	3/17 - 5/18
Pickering Marine	Boat Repair	4/16 - 9/16
Tozier Brothers	Retail Sales	11/15 - 2/16
Hamilton Sundstrand	Aviation Repair and Test Technician	4/05 - 6/14
Creative Communications	Radio Bench Technician	4/03 - 4/05
MCI	Terminal Operations, Technician	12/97 - 12/02
Preferred Technical Services	Communications Systems Technician	2/97 - 12/97
MobileComm	Communications Systems Technician	6/96 - 2/97
Kitsap County Central Communications	Communications Systems Technician	3/92 - 6/96
Motorola	Communications Systems Technician	11/90 - 3/92



## SENIOR TECHNICIAN

### WORK EXPERIENCE

#### FABRICATOR/ASSEMBLER

AMPHIBIOUS MARINE INC

SHELTON, WA

MAY 2018 TO JANUARY 2019

Helped manufacture tourism hovercraft. Molded, machined and/or welded assemblies from carbon fiber, metals and urethane skirting materials. Utilized advanced composite construction techniques to assemble entire craft with a few other employees from start to sea trials. Installed navigation, communications and electrical systems.

#### TEACHING ASSISTANT

CAPITAL ESD 113

TUMWATER, WA

MARCH 2017 TO MAY 2018

Helped coordinate after school program for first through eighth grade students. Helped with group snack and academic study time. With others and individually, created, presented and led enrichment activities including First Robotics team competition and numerous science subjects using discussion and art engagement activities. Assisted with organizing and leading field trips. Provided encouragement and discipline as appropriate.

#### MARINE MECHANIC

PICKERING MARINE

SHELTON, WA

APRIL 2016 TO SEPTEMBER 2016

Repaired power plant and outdrives and related systems on boats. Prepared and wrapped boats for winter storage and serviced boats for spring return to service.

#### STORE ASSOCIATE

ACE HARDWARE

SHELTON, WA

NOVEMBER 2015 TO FEBRUARY 2016

Setup asset management system for tool and equipment rental. Help with day to day operations including warehouse loading and unloading, stocking and customer sales.

#### SENIOR TEST TECHNICIAN

HAMILTON SUNDSTRAND

PHOENIX, AZ

APRIL 2005 TO JUNE 2014

Provided production test and repair of commercial and military aircraft electrical control equipment. Diagnosed problems down to the component level on a wide variety of aircraft. Worked with engineering on certification of new test processes. Directly involved in parts for large civilians and military aircraft including Stealth bomber, Air Force One and 787.



### RADIO SERVICE TECHNICIAN

CREATIVE COMMUNICATIONS

PHOENIX, AZ

APRIL 2003 TO APRIL 2005

Repair and alignment of Motorola portable and mobile radios. Component level analog and digital troubleshooting and surface mount soldering under a microscope. Position also involves troubleshooting repair and software configuration of mobile data terminals for dispatch and law enforcement.

### TELECOMMUNICATIONS TERMINAL OPERATIONS TECHNICIAN

MCI

HILLSBORO, OR

JANUARY 1998 TO DECEMBER 2002

Directly involved with the fiber optic equipment installation, interconnection and testing of the new Hillsboro Network Information Center. This facility carried the majority of the MCI WorldCom West Coast backbone traffic. Specialized in reducing complexity and quantity of equipment to connect users. Our site provided long distance connections between Washington, Oregon and California including telephone and internet routing.

Maintained all aspects of mountain top microwave sites, including radio, alarm, battery, power systems and generators. Intranet webmaster for Pacific North Territory.

### COMMUNICATION SYSTEMS TECHNICIAN

PNI TECHNOLOGIES

PHOENIX, AZ

FEBRUARY 1997 TO JANUARY 1998

Completed installation, programming, testing and turn up of Preferred Networks, Northwest Regional Control Center and paging system. Installed transmitters with satellite receivers in sites throughout Washington and Oregon.

### COMMUNICATION SYSTEMS TECHNICIAN

MOBILECOMM

RENTON, WA

JUNE 1996 TO FEBRUARY 1997

Maintained and upgraded a network paging transmitters covering Washington and Oregon.

### SYSTEMS TECHNICIAN

KITSAP COUNTY CENTRAL COMM.

BREMERTON, WA

MARCH 1992 TO JUNE 1996

Maintained, modified and installed communication equipment for this 911 dispatch center and at its remote sites. Position included radio and computer network and facility maintenance. Documented custom designs with schematics.

### SENIOR ELECTRONICS TECHNICIAN

MOTOROLA

BREMERTON, WA

NOVEMBER 1990 TO MARCH 1992

Provided full line portable, mobile and base station radio component level repair. Custom jobs included the local 911 dispatch console installation.



### COPIER REPAIR TECHNICIAN

VANGUARD OFFICE SYSTEMS                      SILVERDALE, WA                      FEBRUARY 1990 TO NOVEMBER 1990

Provided on-site electronic and mechanical setup, repair and calibration of copying machines.

### ACCIDENT INVESTIGATOR & RECONSTRUCTIONIST

TRAFFIC SAFETY RESEARCH                      SUNNYVALE, CA                      APRIL 1988 TO DECEMBER 1989

Investigated accident scenes, vehicles, traffic reports and depositions. Produced spreadsheets, charts and court graphics using CAD to animate vehicle motion.

### TECHNICAL REPRESENTATIVE

WEDGE TECHNOLOGY                      SUNNYVALE, CA                      SEPTEMBER 1987 TO MARCH 1988

Extended factory level technical support to dealers distributing this manufacturer's computer motherboards. Resolved hardware and software incompatibilities, through coordination of in-house resources and those of other manufacturer's.

### AVIONIC RADAR AND NAVIGATION SYSTEMS TECHNICIAN

UNITED STATES AIR FORCE                      WORLDWIDE                      NOVEMBER 1980 TO APRIL 1987

Maintained Navigational computer and instrumentation systems on KC-135 Tanker, B-52 Bomber, C-5, C-141 and C-130 cargo, and F4 Fighter aircraft. Experienced with gyros, accelerometers, radar and servo systems. Calibrated and repaired test equipment in the Precision Measuring Equipment Lab. Supervised Inertial Navigation Shop, dispatched, trained and counseled personnel.

### EDUCATION

#### MILITARY - RADAR AND INERTIAL NAVIGATION SYSTEMS

U. S. AIR FORCE                      BILOXI, MS                      JANUARY 1981 TO JULY 1981

#### HIGH SCHOOL - VOCATION ELECTRONICS

SOUTH KITSAP HIGH SCHOOL                      PORT ORCHARD, WA                      AUGUST 1976 TO JUNE 1979

### CERTIFICATIONS/LICENSES

FCC - COMMERCIAL OPERATOR LICENSE    LIC. PG-14-6369                      NOVEMBER 1990 TO PRESENT

Demonstrates understanding of US communications commercial operating rules and radio equipment theory, use and troubleshooting.

FCC - AMATEUR RADIO LICENSE TECHNICIAN CLASS    LIC# KB7RUC                      MARCH 2013 TO PRESENT

Allows international private radio use on many bands