



CAREER ACHIEVEMENTS

AMPHIBIOUS MARINE

Manufactured tourist hovercraft from carbon fiber including skirt. Fabricated parts using lathe, milling and CNC routing machines. Wired boat complete with twin navigational displays, radios, GPS, radar and related controls.

HAMILTON SUNDSTRAND

Manufactured and repaired power and control electronics for commercial and military aircraft. Worked to FAA requirements to test, troubleshoot, repair and re-certify equipment for flight. I took a leadership role in training a new customer service technician team.

MCI

Coordinated all aspects of communication systems initial installation and capacity growth for a new West Coast long distance central office and internet routing facility. Directly involved in strategies to reduce the quantity of fiber equipment and streamline interconnections. Maintained seven long haul microwave radio sites.

KITSAP COUNTY 911

Researched, proposed and implemented hardware and software changes to dispatch center's equipment to expand capacity, functionality and improve reliability. Documented custom designs with schematics and spreadsheets to facilitate maintenance.

PREFERRED TECHNICAL SERVICES

Completed installation, programming, testing and turn-up of Preferred Networks, Northwest Regional, Technical Control Center.

WIDE RANGING EXPERIENCE IN TELECOMMUNICATIONS EQUIPMENT

Extensive interconnect experience, provisioning bandwidths extending from voice grade to international fiber backbones. Specialties also include digital cross connect switches and interstate fiber optic network troubleshooting and maintenance. Extensive experience with fiber optic protocols.

Diagnosed telephone systems, including digital T-1, paging terminals, voice mail, specialized alarm, multichannel voice recorders, and address identification equipment.

Repaired, aligned and programmed satellite and terrestrial microwave communications systems, simulcast paging transmitters, conventional and trunked repeaters, voted receivers, portable, mobile and base station radios. Tuned antenna systems containing dishes, combiners, multi-couplers, and isolators. Calibrated and repaired test equipment in precision measuring equipment lab.


Wired complete light aircraft with glass panel and all radios. Developed full engine management system for antique car. (See: <http://adkison.name/mgb/fuel-injection-systems/>)



WORK HISTORY

| | | |
|--------------------------------------|---|----------------|
| SSI Cable Corporation | RF Test Technician | 6/21 – Present |
| Day Wireless Systems | Radio Technician Journeyman | 3/20 – 2/21 |
| Dare Britannia | Restoration Mechanic | 5/19 – 12/19 |
| 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 |
| Vanguard Office Systems | Copier Repair Technician | 2/90 - 11/90 |
| Traffic Safety Research | Accident Investigator/Reconstructionist | 4/88 - 12/89 |
| Wedge Technology | Computer Technical Representative | 8/87 - 3/88 |
| United States Air Force | Aircraft Navigation Specialist | 11/80 - 4/87 |

CERTIFICATIONS/LICENSES

FCC - COMMERCIAL OPERATOR LICENSE  LIC. PG-14-6369 NOVEMBER 1990
 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
 Allows international private radio use on many bands



SENIOR TECHNICIAN

ELECTRONIC, COMMUNICATION, MECHANICAL AND FABRICATION EXPERIENCE

RF TEST TECHNICIAN

SSI CABLE CORPORATION

SHELTON, WA

JUNE 2021 TO PRESENT

Provided advanced RF cable testing using vector network analyzers up to 50 GHz. Provided performance test reports to comply with supplier first article certification needed for government contracts.

RADIO TECHNICIAN JOURNEYMAN

DAY WIRELESS SYSTEMS

LACEY, WA

MARCH 2020 TO FEBRUARY 2021

Installed, programmed and serviced mobile and fixed radio equipment for government and commercial agencies. Work included testing in-building coverage, installation and testing of distribution amplifiers and antenna systems to assure emergency responder communications.

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 lead 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 marine systems. 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/WORLDCOM

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.

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

SKILLS

Through car restoration, I push my skills in all forms of metal work including machining, MIG and TIG welding. I develop webpages and micro-controller hardware and software. Please see my webpage to for details.

MILITARY SERVICE - USAF

SERVICE COUNTRY: UNITED STATES
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