

SUMMARY OF QUALIFICATIONS

Creative, detail-oriented design professional with a strong technical foundation in web application development, database IT, project management, and mechanical drafting and design. Highly motivated and self-directed with the ability to work independently and as part of a team.

- 15+ years of aviation related design, overhaul, manufacturing, and maintenance
- 8 years of mechanical and civil drafting and design experience
- 5 years of authoring support documentation for FAA parts certification, client support, maintenance compliance, and resolution of manufacturing discrepancies and issues
- Strong technical, analytical and decision making skills for problem identification and resolution
- Excellent interpersonal and verbal/written communication skills

Software

Dreamweaver, Microsoft Office (Word, Excel, Powerpoint, Visio, Project), Oxygen XML Editor, Macromedia Homesite, Microsoft Expression Web

Graphics

AutoCAD, SolidWorks, Catia, Photoshop, InDesign, 3D Studio Max

Programming Technologies

HTML, DHTML, XHTML, CSS, JavaScript, jQuery, Ajax, PHP, XML, XSLT

Database Technologies

SQL, MySQL, Toad for MySQL, Access

Skills

- Website layout and design, client and server-side web application development, SEO
- Systems analysis, design, and development, enterprise architecture and requirements modeling
- Database theory, design, development, and maintenance
- Mechanical and civil design, 3D modeling, computerized and manual drafting, graphic design
- Small group interaction, team building and development

EDUCATION

Project Management Certificate

Expected Graduation: 12/2012

Edmonds Community College
Edmonds, Washington

A.T.A., Web Application Developer

Graduated: 09/2012

A.T.A., Database IT

Edmonds Community College

Business Systems Analyst Certificate

Edmonds, Washington

A.A.S., Engineering Graphics- Mechanical Design

Graduated: 12/2004

Lake Washington Technical College
Kirkland, Washington

Airframe & Powerplant Certificate

Graduated: 12/1993

Cheyenne Aero-Tech
Cheyenne, Washington

PROFESSIONAL EXPERIENCE

Design Draftsman Cascade Aviation Service - Mukilteo, WA 2/05 - 3/10

Aircraft Maintenance Technician / Coordinator Alaska Airlines - Seattle, WA 11/00 - 12/03

Aircraft Maintenance Technician BF Goodrich Aerospace Division - Everett, WA 11/99 - 11/00

Aircraft Production Assembly Mechanic Boeing Aircraft Group - Everett, WA 6/97 - 6/99

Radial Engine Overhaul Mechanic Precision Aerospace - Everett, WA 3/94 - 6/97, 4/99 - 11/99

Civil Draftsman Keyes Associates - Wethersfield, CT 3/89 - 2/91

Web Application Development

- Document and maintain web applications and design layouts
- Created and implemented client-side web applications using functions, event handlers, cookies, hidden form fields, and verification of form data using scripting validation
- Designed and developed interactive web pages using DOM and Dynamic HTML
- Developed server-side scripts using PHP structure, functions, procedures, and database connectivity to build MySQL database driven websites and content management systems
- Applied CSS selectors and techniques to manipulate the elements and styles of web pages and XML documents
- Incorporated advanced scripting techniques and user interfaces into web pages and web sites using JavaScript framework libraries
- Created, manipulated, and transformed XML documents using DOM, XSLT, and AJAX libraries

Systems Analysis and Database Information Technologies

- Knowledgeable in project management and planning for complete project lifecycle
- Applied systems analysis using industry-standard modeling methods to examine and document system scope, components, processes, and requirements.
- Prepared and delivered formal documentation including project plans, functional requirements, system design documents, user manuals, and test, training, and maintenance plans
- Developed prototype user interface designs and functional database applications to meet documented requirements and data/process specifications
- Created, maintained, and administered relational databases

Drafting / Design

- Responsible for designing, modeling, and drafting aircraft components and installations including wiring, detail, assembly, and installation drawings using AutoCAD, SolidWorks
- Spearheaded introduction of 3D prototype modeling and design using SolidWorks
- Designed cockpit security doors, lightweight window and door replacements, interior storage closet assemblies, seat track extrusions, and aircraft reconfigurations
- Composed Engineering Orders (EO's) for client support and maintenance compliance
- Maintained documentation and correspondence for FAA certification
- Communicated with engineers and production facility to prepare Advanced Drawing Change Notices (ADCN's) to correct discrepancies and resolve manufacturing problems
- Assisted with the production of design proposals for future project bids
- Drafted highway plans, profiles, cross sections, traffic stops, illumination, grading, site, and detail plans for roadways and bridges
- Revised and corrected drawings using AutoCAD and manual drafting
- Prepared initial designs for multi-million dollar highway project bid proposals to State of Connecticut

Bruce Norman

Home: (425)353-5918 • Cell: (425)583-0512

E-mail: bruce.wm.norman@hotmail.com

Manufacturing / Maintenance

- Served as radio dispatcher to coordinate operations between line maintenance teams, baggage handlers, aircraft cleaners, and flight crew
- Developed parking chart for overnight aircraft maintenance and facilitated towing operations between line and hangar positions
- Addressed flight crew discrepancy log entries, complied with necessary engineering changes (ADCN's / EO's)
- Performed line maintenance walk-arounds, repair overnight (RON) and service checks, necessary routine maintenance, parts replacement, and repair on 737/MD-80 aircraft
- Responsible for flight control surfaces removal, overhaul, installation, and rigging on 737 heavy maintenance checks
- Maintained and overhauled aircraft landing gear, removed and replaced hydraulic lines and actuators
- Fabricated and installed sheet metal and structural replacement parts from engineering blueprints
- Installed composite panels, wire bundles, ducts, louver assemblies, heat exchangers, and air circulation motors
- Responsible for teardown, component overhaul, final adjustment and calibration of radial engines, application of preservative materials, and preparation for shipping