

Web Version

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CAREER SUMMARY:

Engineering professional with strong automotive, aerospace and machinery knowledge coupled with an expertise in computer hardware/software operation, web page development, design and maintenance and the latest technology. Quick learner with a desire to produce quality work. Excellent written and oral communication skills. Innovative, logical, results-oriented and self-motivated with excellent organizational skills. Meticulous with details.

EXPERIENCE:

The Boeing Company, Everett, WA – Door Actuation Control Systems Group **SYSTEMS ENGINEER**

1997 – Present

- ◆ Responsible for the sustaining and design engineering of 777, 767 and 747 Passenger Entry, Bulk Cargo, Large and Small Cargo doors including their respective system components. This includes actuators (cable, mechanical, hydraulic, etc.), gearboxes, motors, and linkages used to control door functionality (manual/power actuation, locking, emergency egress, safety, etc.).
- ◆ Equipment Manager for numerous Door Systems-related parts on the 777, 767 and 747 aircraft. Many components are co-employed on multiple aircraft as well. This demands an intrinsic knowledge of all the parts under my responsibility as well as acting as an interface between Engineering, the Supplier and the Customer.
- ◆ Coordinate with Materiel (Purchasing/Buyers), Analytical Engineering (Structures, Payloads, Stress, BMT, Electrical, etc.), Liaison, Quality Assurance (QA) and Suppliers/Vendors in a sustaining engineering capacity.
- ◆ Co-designed a new push-pull cable solution to eliminate occurrences of freezing in the safety slide girt bar mechanism of the 777 passenger entry doors.
- ◆ Collaborated on the design and qualification of a new 777/767 small cargo door rotary actuator. Significant design features include a helical gearset to generate smooth operation plus give a natural resistance to backdriving, a skewed roller drag plate and an optimized grease mixture to give the correct balance of geartrain efficiency and irreversibility.
- ◆ Manage and maintain multiple computer databases to track all open issues, requests and on-going projects. Allows for realtime resource allocation management.
- ◆ Provide computer hardware and software support to the organization on an as-needed basis.
- ◆ Primary network hard drive share focal for Door Systems engineering data drives.

1993 – 1997
(full-time during
break periods)

Lucent Technologies - Bell Laboratories, Holmdel, NJ – Technical Employment & Staffing **COMPUTER CONSULTANT**

- ◆ Assisted staff with UNIX/ Windows-based computer data entry, filing, and information management resulting from the flood of prospective employment candidates during busy recruiting periods.
- ◆ Supervised the upgrading process of the entire department's computer hardware and software resources. All components were brought up to date with current technology and demands. This included hardware speed versus cost and efficiency increase analysis, linking to the Internet, and the implementation of a WAN managed résumé tracking system.
- ◆ Kept the organization up-to-date with the latest technology geared toward maximizing productivity, efficiency and capability.
- ◆ Setup and maintained a small web-based intranet to support the department and accelerate the spread of software-based upgrades. Designed it as user-friendly to incent less computer-literate professionals to expand their understanding.

1990 – 1997

**The Great Atlantic and Pacific Tea Company, Marlboro, NJ
STORE CLERK****SKILLS:**

- ◆ Knowledge of computer systems operations including the MS-DOS 6.x/7.x, Macintosh System 8.x/MacOS, MS-Windows 2000/98/95/NT/3.x, VAX/VMS, UNIX and Internet environments (FTP, Telnet, WWW, TCP/IP, SLIP, PPP, Ping, etc.) as well as various hardware architectures.
- ◆ Designed and maintained an ever-evolving personal web page since 1992 using no authoring software other than text editors. This site is now used to support my regional automotive club as well as other hobbies.
- ◆ Extensive understanding of automotive componentry and operation, especially that of the more advanced Japanese sports car engines.
- ◆ Proficient with the following commonly used programs in the business and engineering communities (w=Windows™, d=MS-DOS®, m=Mac-OS®, u=UNIX®/X-Windows®):

Word (w/m)	Excel (w/m)	PowerPoint (w/m)
MatLab 4.x (w)	MathCAD Plus 3.x-7.x (w)	WordPerfect (w/m)
Canvas (w)	Visio (w)	Lotus 1-2-3 (w/m)
ABC FlowCharter (w)	Harvard Graphics (d/w)	Emacs / Vi (u)
AutoCAD r13 (w)	SDRC I-DEAS / CAEDS (u)	CATIA (u)
All current browsers	Adobe Acrobat (w)	
- ◆ Computer language base:

Fortran	HTML	Javascript
UNIX/SunOS-Solaris	DOS Batch Programming	DOS 6.x/7.x
Pascal	Basic (Apple / PC)	

**PROFESSIONAL
AFFILIATIONS:**

Society of Automotive Engineers (SAE), Associate Member, ID# 5823473343,
1994-Present

American Society of Mechanical Engineers (ASME), Associate Member, ID# 4926572,
1995-Present

Seattle Professional Engineering Employees Association (SPEEA), Associate Member
1997-Present

EDUCATION:

Bachelor of Science – Mechanical Engineering, Focus on Automotive/Aerospace: May 1996
Rutgers: The State University of New Jersey - College of Engineering, New Brunswick, NJ

Associate of Arts – Liberal Arts, Focus on logic, marketing and general sciences: May 1992
Brookdale Community College, Lincroft, NJ

HONORS:

Phi Theta Kappa, 1991	1 st Place in Senior ICE Project (out of 40)
Dean's List 1996 (Spring)	2 nd Place in Senior Aerodynamics Project (out of 37)

PERSONAL:

- ◆ Quick learner with a desire to produce quality work. Strong automotive and machinery knowledge. Excellent written and oral communication skills. Innovative, logical, self-motivated and a hard worker. Meticulous with details.
- ◆ Spare time interests include web page development, co-organizing a regional automotive club and engineering new designs to improve performance, quality and efficiency for club cars.

REFERENCES:

Available Upon Request