

# DAVID A. HAZEN

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Phone: 781-608-3849

## SUMMARY OF QUALIFICATIONS

Experienced in the reduction, analysis and modeling of weather data; report generation, software modification and documentation.

## EDUCATION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY (1983): M.S., Applied Mathematics

WORCESTER POLYTECHNIC INSTITUTE (1980): B.S. with Distinction, Applied Mathematics

## EXPERIENCE

ENGLITY CORP. /L-3 COM. /TITAN CORP. /SYSTEM RESOURCES CORP. 1991-

*Data Analyst/Programmer:* Supported gathering, archiving, processing and analysis of test aviation weather sensor data including: visibility sensors, anemometers, ceilometers, lightning and present weather sensors. The analysis involved programming and maintaining applications using Matlab, C and FORTRAN. Prepared numerous related reports and presentations.

SPARTA, INC. 1988 - 1990

*Engineer.* Supported research in the applied physical sciences including: Atmospheric radiation software, data analysis and calculations, aerosol studies, stratospheric ozone concentrations and spatial variations and optical turbulence, Solar coordinate transformation software and documentation. Prepared related technical illustrations for reports and proposals.

AERODYNE RESEARCH, INC. 1985 - 1986

*Applied Mathematician.* Supported research in infrared related science including: Reduction of sounding, cloud cover and satellite image data, atmospheric radiation calculations, solar spectra and stellar background evaluation, describing background scenes, calibration of infrared spatial imaging sensor. Prepared quick look flight and sensor calibration reports, data file documentation. Participated in seminars on infrared technology and project management.

WORCESTER POLYTECHNIC INSTITUTE/MIT/PRIVATE 1978 - 1984

*Teaching Assistant/Private Tutor.* Part-time; aiding professor, counseling, tutoring students.

## OTHER

Built website and was webmaster of Calvary Church, United Methodist 1997 - 2004

Webmaster of MIT Club of Boston 1999 - 2004

Built and runs personal website, <http://www.allvidzhaze.com> 2001 -

## HARDWARE

Platforms: IBM-compatible PCs; had used HP Apollo and Palmtops and mainframes.

Peripherals: CD and DVD writers and readers, ZIP drive, external hard drives, laser jet and ink jet printers, scanners, digital cameras, modems. Had used magnetic tape, Optical disk, SYQUEST removable cartridge drive.

## SOFTWARE AND OPERATING SYSTEMS

C, FORTRAN, MATLAB, MS Access, Excel, PowerPoint, Word, Corel Draw, Corel/JASC Paint Shop Pro, Adobe Photoshop Extended, Acrobat, Fireworks, Dreamweaver, Flash; WanderLink Client and ProxyMaster, MS-DOS, MS Windows, Novell, CD and DVD writing software, FTP, Microsoft Explorer, Netscape, e-mail, pcANYWHERE, HP Apollo Domain, UNIX, Pascal, mixed-language programming, VIS (Lightning display software), HTML, JavaScript.

## PROFESSIONAL ORGANIZATIONS

Member, American Meteorological Society.