

# BRENDON HOCH

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- **EDUCATION:**

- M.S. Atmospheric Sciences, Ohio State University, Columbus OH, 1997.  
*Thesis: An evaluation of a one-way coupled atmosphere-lake model for Lake Erie, 226 pages*
- B.S. Earth & Atmospheric Sciences/Meteorology, Cook College, Rutgers University, New Brunswick NJ, 1994.

- **PROFESSIONAL EXPERIENCE:**

- **1997-Present: Systems Analyst/Programmer**, International Research Institute for climate prediction, Lamont-Doherty Earth Observatory, Columbia University, Palisades, NY
  - Created, administrated, and maintained a heterogeneous network of servers, computers, terminals, and peripherals for rapidly expanding climate research facility.
  - Provided systems administration expertise for user management, security issues, samba, software installation, web based calendar database, troubleshooting, etc.
  - Advised senior management in technical, financial, and policy areas related to computational infrastructure. Authored short and long term planning strategies.
  - Managed procurement of computer hardware, peripherals, service contracts, software licenses based on cost/need criteria.
  - Automated rollout of heterogenous Microsoft based workstations to increase productivity amongst junior staff.
  - Designed and maintained a real time weather data acquisition system via satellite/internet based feeds.
  - Managed, maintained and coordinated all departmental audio-visual conference facilities. Provided special event support.
  - Trained personnel to use climatological datasets and computer hardware/software. Presented interactive training seminars.
  - Assisted in operational climate forecasting from model runs to map production.
  - Implemented terminal server based computing solution allowing access to alternative OSs from desktop workstations/thin clients.
- **2001-Present: Adjunct Professor**, Bergen Community College, Paramus, NJ
  - Full responsibility teacher for introductory meteorology course designed for non-science majors.
  - Designed and authored laboratory curriculum from the ground up.
  - Administrated and maintained course website.

- **Winter 2001-2002: Consultant**, HETCO, New York, NY
  - Provided assistance, recommendations, and scripts for download of realtime numerical weather prediction data.
  - Coordinated development of database for real-time model data.
- **1994-1997: Graduate Research Associate**, Ohio State University, Columbus, OH.
  - Generated, analyzed, and displayed nowcast/forecast output for the Great Lakes in an operational setting.
  - Researched performance of an experimental coupled 3-D model for Lake Erie.
  - Installed, maintained, and serviced hardware/software in a heterogeneous computing environment.
  - Provided support for internet weather data server, including acquisition and display of meteorological data.
  - Taught introductory college course in earth science/meteorology.
  - Maintained library housing meteorological journals and other educational materials.
  - Managed department office serving 25 faculty, 75 graduate students.

• **TECHNICAL EXPERIENCE:**

Languages	Applications	Operating Systems	Peripherals
C-shell Fortran Html Perl Samba C++	Illustrator, Photoshop, Acrobat, Framemaker  Word, Excel, Powerpoint, Access, Netscape  Syncsort/BackupExpress, UpdateExpert  Symantec Corporate Antivirus Server  FLEXLM, Cyberscheduler, ACT, ArcGIS  LDM, NCAR Graphics, GEMPAK, IDL	MS Windows 3.x/9x/NT/2000/XP (including Terminal Services/Metaframe)  Red Hat Linux Solaris (Sun), IRIX (SGI) Digital/Compaq Unix some Cisco, some MacOS	HP Ink Jet/Laser Printers Tektronix Laser/Solid Ink Printers  X-Terminals, Scanners Videoconference Codecs All Types of Audio-Visual Equipment

• **AWARDS:**

- 2001, Special Award for developing the first U.S. coastal forecasting system to make routine operational predictions of currents, temperatures, and key trace constituents, American Meteorological Society, Boston, MA
- 1994, Cook College Leadership Excellence Award, Cook College, Rutgers University.
- 1994, Cook Campus Center Service Award, Cook College, Rutgers University.
- 1990, Virginius D. Mattia Community Service Award, Hoffman La-Roche, Nutley, NJ.

**EXCELLENT REFERENCES AVAILABLE UPON REQUEST**