

## LAWRENCE WHITMORE BOTTORFF

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### Education

**Northern Illinois University, DeKalb, IL**

**Degree:** Bachelors

**Majors:** Geography/Cartography, German, Physics

### Experience

*January 2000 – Present*

**Cook County (MN) YMCA:** Lifeguard (Sept 2018 – present)

**Elkhart County Parks:** Historical interpreter; park attendant (May 2017 – May 2018).

**Concord Junior High, Elkhart, IN:** Teacher's Aide (Feb 2016 – May 2016).

**Anabaptist Mennonite Biblical Seminary Library, Elkhart, IN:** Librarian (Feb 2015 – Nov 2016).

**Cook County YMCA (Grand Marais, MN)** Member services. (Jan 2014 – Aug 2014).

**Caretaker; Birchwood Apartments, Grand Marais, MN.**

**Lecturer; Computer Science Department, Wichita State University, Wichita, KS:** Taught HTML/XML, Intro to Java, and Intro to Unix, as well as labs for Operating Systems, Advanced Unix Programming.

*May 1999 - October 1999*

**Programmer; CCH (Wolters Kluwer), Wichita, KS:** Planning and researching of the next generation of CCH's "Taxnotebook" client software. Taxnotebook for 2001 was to be totally Web-based. Developed test proposals in both Java and mod\_perl-based Web page generation utilizing Microsoft BackOffice/IIS and the Apache Web server.

*November 1998 - February 1999*

**Web/Database Developer; SouthWind Internet/OneMain, Wichita, KS:** Responsible for developing Web-based data management applications towards offering "e-commerce solutions".

- Developed generic "shopping cart" application for general e-commerce use. Utilized Perl, various Perl modules, and PostgreSQL on SouthWind's BSD Unix platform.
- Helped develop a future Internet-based data management strategy for SouthWind.

*October 1997 - July 1998*

**Applications Developer; HANOVER COMMUNICATIONS, St. Louis, MO:** Responsible for developing telecommunications applications, also various support tasks such as Webmaster duties.

- Developed IVR client for message delivery application, *VoiceBroadcast*, using C++ and utilizing the SCO/UnixWare C++ standard template library for Hanover's UnixWare (Unix SVR4) platform and custom DCE interprocess communications technology. Also created Web-based user's guides.
- Developed both IVR client and server for a fax-on-demand application. This application is fully object-oriented C++ and utilizes Hanover's DCE.
- Began the design of the Hanover billing system.
- Improved the Hanover Web site, designed Hanover "H" logo. (No longer on line.)
- Assumed management of the Hanover Web site, running the Stronghold/Apache 2.1.1 Web server (Thawte SSL).

*September 1995 - September 1997*

**Programmer/Analyst; UNIVERSITY of MISSOURI at COLUMBIA, Columbia, MO:** Assumed a wide range of duties for two IS shops, Health Services Management (HSM) and MU Campus Computing (CC).

- (HSM) Developed an Oracle database of the National Library of Medicine's *Unified Medical Language System*. Installed and administered Oracle 7.3 for NT. Developed Java/WebLogic client-side applications for Web-based

Oracle access.

- (HSM) Performed in various departmental PC-LAN support roles.
- (HSM) Developed hospital patient data input application using MS Visual C++/Jet Engine. This small footprint software was deployed on laptops.
- (CC) Developed several Oracle WOW-PL/SQL applications, as well as Oracle applications utilizing Weblogic's Java/JDBC technology. Created an automated Course Web page registration application in Java.

*August 1994 - August 1995*

**Support Engineer; MICROSOFT, PSS/ABU, Bellevue, WA, Lincoln Plaza:** Telephone support and support research for Microsoft business software.

- Technical support for MS Works for Windows 2.0/3.0.
- Technical support for MS Office for Windows 4.x, Excel 4.0/5.0, and Access 2.0 installation.
- Technical support for MS Project 3.0/4.0.

*April 1993 - December 1993*

**Administrative Assistant; METRO (Seattle Transit Authority), Seattle, WA:** PC-LAN Database development and report generation for the METRO.

- Developed a relational database for METRO's rebuilt bus parts inventory utilizing Paradox for Windows, as well as front-end client screens written in ObjectPAL.
- Produced various cost analysis reports with PW.

*February 1993 - April 1993*

**Administrative Assistant; Chiyoda International Corporation, Seattle, WA :** PC-LAN Database development and report generation, various office tasks.

- Development and standardization of document, specifications, vendor catalog, and reference book database utilizing dBASE IV.
- Full documentation and guidelines of newly implemented procedures.

*October 1989 ~ August 1994*

**Administrative Assistant, Technical Translator, Editor; Technische Universität Berlin, Hermann Föttinger Institut, Berlin, Germany; Georg Thieme Verlag Stuttgart, Germany; Premenos, Concord, CA; German Language Services, Seattle, WA:** Translation of various technical documents from German to English., editor duties, various office duties.

- (TU Berlin) Scientific (thermodynamics) manuscripts, office duties.
- (G. Thieme) Translation and editing of medical/biochemistry textbook.
- (Premenos) Translation of an EDI/AS400 introduction manual.
- (GLS) Translation of a specifications document for a CAN (controller area network) system for industrial applications.
- (GLS) Translation of an engineering software system, DIA/DAGO.

*February 1991 - September 1991*

**Programmer; Tiburon/PSW3, Fremont, CA:** Development of hierarchical database software in COBOL in a VAX/DEC and SCO/UNIX environment. Developed jail statistics programs and on-line applications for Arlington County, Virginia, written in COBOL, utilizing Tiburon's proprietary "CICS-like" database software "Support Software".

*June 1984 - May 1985*

**Research Assistant; Fermi National Laboratories, Batavia, IL:** Provided research and production support to various Fermi Lab shops., specifically technical support of the D0-Muon Detector Project.

*May 1981 - November 1983*

**Research Assistant; Polytech Zürich-ETH, Institut für Kartographie, Zürich-Hönggerberg, Switzerland:** A scholarship turned into a position as a research assistant at one of the most prestigious cartography institutes in the world.

- Research and design of atlas projects; CADD system development and operation for cartographic applications.