

Peter M. Traub, Ph.D.

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OBJECTIVE

To find a position that enables me to use the full range of my creative, technical, and intellectual skills to produce innovative applications, interfaces, and experiences.

QUALIFICATIONS SUMMARY

6 years experience with OO Perl, Linux/Unix, and HTML.
4 years experience with SQL/MySQL, CGI, ModPerl, and CVS.
2 years experience with Javascript, Apache.
1 year experience with LDAP, PostgreSQL, Python, C++, Perl Mason.
1 year experience with Windows NT/2000 Administration.

WORK EXPERIENCE

Vindicia, Inc. (1/04 – 7/04)
Title: Software Engineer
San Mateo, CA
www.vindicia.com

Implemented a scalable OpenLDAP-based authorization system to control internal and external access to Vindicia's servers. LDAP database was synchronized with a central Postgres database (utilizing Perl modules).

Designed an automated system that parsed daily data feeds from clients, analyzed them, and converted them to human-readable formats.

The Betty Mills Company (6/02 – 1/04)
Title: Software Development Manager
San Mateo, CA
www.bettymills.com

Sole technical lead and systems administrator for The Betty Mills Company. Responsibilities included: back and front-end development of retail website, maintenance and backup of Linux-based production webserver, development of MySQL database, internal system administration, designing and writing OO Perl based database-driven features for live site, designing and writing back-end administrative features to streamline customer service, sales, and accounting.

Cogneo (3/02 – 6/02)

Title: Web Applications Engineer (contract)

San Mateo, CA

Wrote and integrated OO Perl applications using the Perl Mason library. Mason objects combine HTML and Perl to create highly efficient server-side scripts and dynamic pages.

Zack Systems (9/99 – 8/01)

Title: Senior Software Engineer

San Mateo, CA

Created database-driven front and back-end applications and libraries for the Zack Proxy Platform utilizing OO Perl, CGI, MySQL, Javascript and HTML. Designed, specified, and wrote a shared browsing and chat application, allowing multiple users to enter a single chat room and browse the web via a linked browsing mechanism. Application development Project Manager for Zack's key Enhanced Services Server.

EDUCATION

University of Virginia

Ph.D., Composition and Computer Technologies, 2010

Dissertation: "Spatial Exploration: Physical, Abstracted, and Hybrid Spaces as Compositional Parameters in Sound Art"

Stanford University

Non-degree-seeking visiting researcher, 2002 - 2003

Dartmouth College

M.A., Computer Music, 1999

Thesis: "bits & pieces: A Sonic Installation for the World Wide Web"

University of Florida

B.A, English, 1997 (Magna Cum Laude)

Additional coursework in electro-acoustic music composition

HONORS, AWARDS, FELLOWSHIPS, AND GRANTS

Graduate School of Arts and Sciences Dissertation Year Fellowship, 2009 - 2010

Double Hoo Grant from the University of Virginia, 2010

University of Virginia Award for Excellence in Scholarship, 2008

Jefferson Fellow at the University of Virginia, 2004 - 2008

Full Scholarship and Stipend, Dartmouth College, 1997 - 1999

National Merit Scholar, 1993 - 1997

Florida Undergraduate Scholarship, 1993 - 1997

University of Florida Alumni Scholarship, 1993 - 1997

Member of Golden Key National Honor Society, 1997

University of Florida Phi Beta Kappa Creative Achievement Award, 1997

Letters of recommendation, employment references and code samples available upon request.