

PATRICK HERRON

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EDUCATION

UNC School of Information and Library Science

Chapel Hill, NC

Master of Science in Information Science, December 2006

Jan 2002—Dec 2006

- Minor in Computer Science with a Certificate of Specialization in Bioinformatics
- Concentration on text mining & data mining of health information
- Designed mining applications & executed text mining & data mining experiments
- High Pass (H) average (>95%) across 70 graduate credits; 4.0 average in computer science minor coursework

North Carolina State University

Raleigh, NC

Post-baccalaureate undergraduate studies in Biochemistry

Jan 1995—Aug 1997

- Graduate-level study in Genetics
- 1997 University Scholar in Vienna, Austria
- 3.8 GPA

University of North Carolina

Chapel Hill, NC

BA Honors Philosophy, with Linguistics minor, December 1993

Sep 1989—May 1993

- Honors Program Scholar.
- Focused on cognitive science.
- 3.4 GPA with 3.7 in major

RELEVANT EXPERIENCE

The IT Coop

Chapel Hill, NC

Senior Information Architect / Proprietor

Jan 2002—Dec 2006

- Provided information architecture, web development, & web design services

SAS Institute

Cary, NC

Technical Student / Enterprise Architect

Jun 2006—Aug 2006

- Innovated advanced solutions for information architecture & search engine optimization (SEO) tasks for entire support.sas.com site
- Designed dynamic classification & navigation system prototypes for 100,000+ web support documents
- Constructed content analysis, search term analysis & reporting application suite in Java & MySQL

ibiblio

Chapel Hill, NC

Research Assistant / Systems Developer

Aug 2003—Aug 2005

- Developed utilities for 3-D book reader application in Java, XSL, and sed
- Reverse-engineered & restored archaeology educational software in Java
- Linux systems administration for hosting services

RELEVANT EXPERIENCE (continued)

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|---|---|
| <p>TManage, Inc.
 <i>Systems Integration Developer</i></p> <ul style="list-style-type: none"> • Developed, supported, and extended enterprise B2B data integration system in Java, XML, & Oracle • XSL technical lead • Database administration & development | <p>Austin, TX
 Jan 2000—Nov 2001</p> |
| <p>Integrated Laboratory Systems
 <i>Web Operations Manager</i></p> <ul style="list-style-type: none"> • Designed, developed, & supported organization's website • Organized new Federal health policy agencies focused on toxicological testing methods regulation | <p>RTP, NC
 Apr 1998—Jan 2000</p> |
| <p>Nortel Networks
 <i>Technical Documentation Specialist</i></p> <ul style="list-style-type: none"> • Re-engineered enterprise-wide Mac-to-PC migration process • Re-engineering led to early project completion & \$500k savings | <p>RTP, NC
 Sept 1997—Apr 1998</p> |
| <p>National Institute of Environmental Health Science
 <i>Student Intern / Laboratory Technician</i></p> <ul style="list-style-type: none"> • Performed genetics experiments & medical literature searches | <p>RTP, NC
 May 1996—Jun 1997</p> |
| <p>United States Postal Service Network Service Center
 <i>C/DCAP Specialist</i></p> <ul style="list-style-type: none"> • Supported construction of the first national USPS facilities relational database | <p>Raleigh, NC
 May 1995—May 1996</p> |
| <p>TV Guide
 <i>Assistant Editorial Supervisor</i></p> <ul style="list-style-type: none"> • Assisted development of proprietary desktop publishing system | <p>Radnor, PA
 Jun 1993—Nov 1994</p> |

DEMONSTRATED SKILLS

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|--------------------------|--|
| Languages | Java, SQL, C, C++, sed, Perl, XML, XSL / XSLT, DTD, PHP, HTML, XHTML, JavaScript, CSS |
| Operating Systems | UNIX, Linux, Windows, Mac OS X |
| Tools | Oracle RDBMS, MySQL RDBMS, SAS, R, Weka, WordNet, Eclipse, Bash |
| General Skills | Text mining, data mining, web mining, natural language processing (NLP), text parsing, information retrieval, machine learning, text classification, text clustering, topic identification, support vector machines (SVM) entity relationship (ER) modeling, database schema design, shell scripting, data integration, information architecture, interface design, website management and implementation. Basic *NIX systems administration. Web design, graphic design and print layout. Published author. |