

John A. Wrobel
University of North Carolina
Chapel Hill, NC
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SUMMARY

Database developer with experience working on federally funded biomedical research projects. Designed databases and computer programs to analyze and interpret complex scientific information and make it understandable for other scientists. Highly organized with strong interpersonal and team building skills. Oracle 9i PL/SQL Developer Certified

COMPUTER SKILLS

Database Management Systems: Oracle, MySQL, Microsoft Access

Languages: Java (J2SE 5.0, Servlets, JSP, JDBC), Visual Basic, C++, Perl/CGI, PL/SQL, JavaScript, HTML, XML, VBA

Operating Systems: UNIX, Linux, Mac OS, Windows XP

Tools: Microsoft Office Suite, Adobe Dreamweaver, Adobe Flash, Adobe Photoshop, Adobe Illustrator, NetBeans, Eclipse, Tomcat, SQL*Plus, Oracle Enterprise Manager console, Oracle SQL Developer, Toad for MySQL, XML Spy, Visual Studio

EDUCATION / TRAINING

A.A.S. Computer Programming (expected Fall 2008)

A.A.S. Database Management, High Honors (2007)

Oracle DBA Certificate (2006)

Oracle Developer Certificate (2004)

Bioinformatics Certificate (2003)

Wake Technical Community College, Raleigh, NC

Ph.D. Microbiology and Immunology (1996)

University of North Carolina, Chapel Hill, NC

B.A. Biology, *cum laude* (1987)

College of the Holy Cross, Worcester, MA

PROFESSIONAL EXPERIENCE

North Carolina Institute for Public Health
University of North Carolina, Chapel Hill, NC

2006 - present

Database Developer

- Designed, implemented, and maintained a Microsoft Access application with an Oracle back-end database to store and query student records for the Certificate Education and Executive Education programs at the North Carolina Institute for Public Health.
- Used VBA to make dynamic forms and reports in Microsoft Access.

John A. Wrobel

Department of Microbiology and Immunology
University of North Carolina, Chapel Hill, NC

Research Associate

2003 - 2006

Postdoctoral Research Associate

1996 - 2003

- Project leader for site-directed mutagenesis of the reverse transcriptase protein to define and characterize amino acid residues critical for the folding and stability of the protein. Combined experimental data with a bioinformatic analysis of protein structures to identify hydrophobic cores in the protein.
- Designed an Oracle database to store the genotype and phenotype data for 600 reverse transcriptase mutant proteins generated in the lab. This database also contains data from analyses of protein sequences and protein structures.
- Worked on all aspects of the Oracle database design, implementation, and maintenance. Experience includes schema design of the database, creating relational tables to store biological data, using SQL*Loader to import data generated from bioinformatics applications, designing SQL queries to produce reports for other lab members, writing supporting PL/SQL code, and serving as DBA to administer the database.
- Developed an interactive web application using both Java Servlets/JSP and Perl/CGI to allow researchers in the worldwide scientific community to query the database containing the lab's mutant data.
- Assisted in writing NIH R01 grants, prepared manuscripts for publication in scientific journals, mentored graduate and undergraduate students.