

Christopher Rosenthal

CONTACT INFORMATION 3329 NE 156th St T: (630) 788-0468
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EDUCATION **Indiana University**, Bloomington, Indiana USA

M.S., Bioinformatics, August 2009

- Thesis Topic: Disease Ontologies in Coral Reef Ecosystems
- Adviser: Professor Mehmet Dalkilic

B.S., Computer Science, May 2005

- With Honors in Computer Science
- Minor in Biology

Seattle University, Seattle, Washington USA

Post-Baccalaureate Certificate in TESOL, July 2010

RELEVANT EXPERIENCE **Department of Folklore & Ethnomusicology**, Indiana University, Bloomington, Indiana USA

Software Engineer, WER Virtual Museum project **June 2008 to August 2010**

- Overhauled the old web site to create a set of dynamic templates to allow the department to reach a wider range of students and easily manage their own updates in the future.

Department of Geological Sciences, Indiana University, Bloomington, Indiana USA

Bioinformatics Software Engineer, Bloom project **January 2008 to August 2009**

- Designed and implemented a coral reef disease ontology algorithm to construct relationships between coral reef diseases and environments all over the world.
- Designed a relational database schema to facilitate the organization of coral reef data.
- Developed a Microsoft Virtual Earth visualization of the disease ontology.

Regenstrief Institute, Indianapolis, Indiana USA

Software Engineer and Research Assistant **August 2005 to August 2007**

- Responsible for all phases of medical research software development including the testing, designing, and implementing of medical software aimed at streamlining health care and establishing a basis for the management of electronic medical records.
- Administered projects including the Medical Workstation (MW), Java SIG HL₇, and XSLT Web Service Framework (XWSF). All projects were non-profit and managed with an open source philosophy.

Department of Chemistry, Indiana University, Bloomington, Indiana USA

Software Engineer, CALM project **May 2003 to August 2005**

- Lead engineer of online learning tools for university professors and teachers and their students.
- Course adviser for over 60 high schools and universities across the country.

School of Education, Indiana University, Bloomington, Indiana USA

Software Engineer, Center of Human Growth **August 2004 to May 2005**

- Researched and developed the technical specifications to create a robust electronic medical records system.
- Designed, implemented, and tested an intranet web application and MS SQL Server database for management and facilitation of the electronic medical system.

OTHER
EXPERIENCE

ELS Language Centers, Seattle, Washington USA

Associate Instructor **July 2010 to present**

- Responsible for planning, teaching, and evaluating English language classes.

The Summit at Snoqualmie Ski Resort, Snoqualmie Pass, Washington USA

Lift Operator, Summit West **November 2009 to April 2010**

Guy Rosenthal Campaign for Illinois State Legislature, Wheaton, Illinois USA

Campaign Adviser **August 2004 to November 2004**

- Campaign strategist of online technologies.
- Responsible for full development and design of campaign web site and the coordination and organization of campaign events through the use of web based tools and announcements.

Phantom Lake YMCA Camp, Mukwonago, Wisconsin USA

Camp Counselor **Summers 2002, 2004**

- Worked as a camp counselor, waterfront activities instructor, and technology director.
- Responsible for a tent of about 10 kids each week as well as development and maintenance of camp web site and computer technologies.

COMPUTER
COMPETENCIES

Languages: Java, C#/C++/C, Perl, Python, Scheme, SQL, XML, and others

Applications: $\text{T}_{\text{E}}\text{X}$, $\text{L}_{\text{A}}\text{T}_{\text{E}}\text{X}$, $\text{BIB}_{\text{T}}\text{E}_{\text{X}}$, Ant, Eclipse, R, CVS, SVN, Trac, many genome analysis apps, most MS apps

Platforms: Extensive experience with *NIX (many flavors), Windows, Mac, Apache

Databases: MS SQL Server, MySQL, Oracle, HSQL, PostgreSQL, Hibernate

Web Development: JSP, ASP.NET, PHP, Javascript, Flash, HTML

AWARDS

Long/Triple Jumper, Indiana University Division I Track and Field, 2000-2003

- Academic All-Big Ten, 2002, 2003
- Top 10 Overall, Big Ten Indoor Championships, Long Jump 2002
- Top 10 Overall, Big Ten Indoor Championships, Triple Jump 2003