

Christopher Rosenthal

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Experience

University of Washington Department of Laboratory Medicine, Seattle, Washington USA

Senior Bioinformatics Software Engineer

2012 - Present

The Seattle Times Company, Seattle, Washington USA

Software Engineer

2010 - Present

- Responsible for support and scalability of software applications designed for digital technologies.
- Optimized legacy content management code base and server infrastructure to streamline engineering development and support.
- Successfully worked with journalists and nontechnical stakeholders in development, testing and deployment of software applications.

Indiana University Department of Folklore & Ethnomusicology, Bloomington, Indiana USA

Software Engineer, WER Virtual Museum project

2008 - 2010

- Refactored and optimized the existing web site code base.
- Created a software environment for nontechnical professors to easily manage future updates and deliver content to a wider audience of students.

Indiana University Department of Geological Sciences, Bloomington, Indiana USA

Bioinformatics Software Engineer

2008 - 2009

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

Regenstrief Institute, Indianapolis, Indiana USA

Software Engineer and Research Assistant

2005 - 2007

- Responsible for all phases of medical research software development including the testing, designing and implementation 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 managed and developed using open source practices.

Indiana University Department of Chemistry, Bloomington, Indiana USA

Software Engineer, CALM project

2003 - 2005

- Developed and supported a custom content management system.
- Created web based software learning tools for university professors, teachers and students.
- Online course adviser for over 60 high schools and universities across the country.

Education

Indiana University, Bloomington, Indiana USA

M.S., Bioinformatics, 2009

Thesis Topic: Disease Ontologies in Coral Reef Ecosystems

Adviser: Professor Mehmet Dalkilic

B.S., Computer Science, 2005

With Honors in Computer Science

Biology Minor

Seattle University, Seattle, Washington USA

Post-Baccalaureate Certificate in **TESOL**, July 2010

Computer Competencies

Languages: Python, Perl, Java, C#/C++/C, Lisp, R, SQL and others

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

Platforms: *NIX (many flavors), Mac, Windows