

Gabriel Weaver

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Employment History

Programmer

The Perseus Project at Tufts University (Medford, MA)

Fall 2004–Present

Requires the ability to rapidly research and implement technologies and their applications to the humanities.

Projects:

- **Entity Statistics Module:** Currently refactoring and extending the existing codebase for retrieving statistics such as maximum frequency, and TF-IDF on a given lemma. The module can be extended in a number of ways, including calculating statistics for other entities (people, places, dates), and plugging in a different scoring mechanism (other than max, min, weighted, and keyterm frequency). Design focuses on the use of unit testing to validate results. The code is licensed under the Mozilla Public License.
- **Art and Archaeology Module:** Refactored and extended the underlying codebase for Perseus' Art and Archaeology services. Design focused on learning to use DAOs, JSTL, and the Spring Framework. The code is licensed under the Mozilla Public License and may be downloaded from Sourceforge.
- **The SCALE Project:** Funded by the NSF and NSDL, the SCALE project is a reading environment to facilitate interdisciplinary learning. Services developed include an XML service, a reading assistance tool, and an encyclopedia.
- **Wiki Research:** Research centered on the use of a wiki to create online communities. The wiki has manifested itself as a powerful tool for collaboration. Perseus hopes to use this tool to increase dialogue between academics and amateurs interested in the humanities.

Summer Teacher

The Butler Center (Westboro, MA)

Summer 2004

Taught Life Science to a group of roughly 16 incarcerated students with various mental disorders and criminal history.

Designed and taught Life Science curriculum with a difficulty level ranging from elementary to high school.

Vision Research

College of the Holy Cross (Worcester, MA)

Summer 2003–Spring 2004

Assisted Professor Constance Royden in her research on motion perception

Research included developing an interactive computer program that presents various stimuli including dot stimuli and Gabor functions within a grid

Mathematics Research

College of the Holy Cross (Worcester, MA)

Summer 2002

Assisted Professor Gareth Roberts in his research on dynamical systems and numerical methods

Research included developing a program that showed where numerical methods fail on different functions

Computer Consultant

College of the Holy Cross (Worcester, MA)

Fall 2001–Spring 2004

Assisted students on a one-on-one basis with the reconfiguration and troubleshooting of CPUs, either in person or over the phone

Education

MA in Computer Science, Fall 2006–Present. Already took Bioinformatics, Computer Security, and Theory of Computation.

Tufts University (Medford, MA)

BA in Classics and Mathematics (minor in Computer Science), May 2004. Summa Cum Laude

College of the Holy Cross (Worcester, MA)

Overall GPA: 3.91 out of 4.0

Information Technologies

Programming languages include Java, MySQL, C++, C, Python, Scheme, Perl, PHP, XSLT, Programming experience on the Unix, Linux, Windows, and Mac OS X platforms, Introductory administration experience on Mandriva and Fedora Linuxes, Programs used include MySQL server, Shorewall, Tomcat, Apache, Ant, JUnit, Mantis, Mailman, Beginner web application framework experience in Fedora, Spring, and Cocoon.

Humanities Conferences Attended

CANE Summer Institute - Scheduled to help Professor Neel Smith of Holy Cross present a workshop on TEI and Classical Text Services., JCDL 2006 - Scheduled to present in a poster session on measuring the accuracy of relational statements in Wikikpedia..

Foreign Languages

Languages include Latin, Greek, and Arabic.

Publications

- "Quantifying the Accuracy of Relational Statements in Wikipedia: A Methodology". Accepted as a poster at JCDL 2006. Scheduled to present this article in a brief session.

Awards

- **Dean's list (8/8 semesters)**, College of the Holy Cross
- **Dana Scholar**, College of the Holy Cross
- **Magis Award**, College of the Holy Cross
- **John C. Lawlor Medal**, College of the Holy Cross
- **Valedictorian**, Killingly High School

Honor Societies

Alpha Sigma Nu

The Jesuit Honor society that emphasizes scholarship, loyalty, and service beyond the college years.

Phi Beta Kappa

The oldest and most respected undergraduate honors organization in the United States. Its mission, to foster and recognized excellence in the liberal arts and sciences.

Pi Mu Epsilon

The Honorary National Mathematics Society. Its mission is to promote scholarly activity in mathematics among the students in academic institutions.

Interests

- Artistic. Archaeology, Calligraphy, Origami, Sculpture
- Outdoors. Camping, Hiking, Rock collecting, birdwatching
- Strength and Conditioning. Lifting, Rowing

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