

GABRIEL A. WEAVER

Eaton 124
The Perseus Project
Tufts University
Medford MA, 02155
Office:(617) 627-3830
Email: gabriel.weaver@tufts.edu

EMPLOYMENT HISTORY

Programmer (The Perseus Project at Tufts University, Fall 2004 - Present): Requires the ability to rapidly research and implement technologies and their applications to the humanities.

Summer Teacher (The Butler Center, Westboro MA, Summer 2004): Taught Life Science to a group of roughly 16 incarcerated students. Designed and taught Life Science curriculum with a difficulty level ranging from elementary to high school.

Vision Research (College of the Holy Cross, 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 within a grid.

Mathematics Research (College of the Holy Cross, 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, 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.

RESEARCH PROJECTS

Geometric Diagram Research (The Perseus Project, In Progress): The code will be licensed under the Mozilla Public License.

Tiled Image Browser (The Perseus Project, In Progress): The code is licensed under the Mozilla Public License. A beta version may be seen at <http://images.perseus.tufts.edu/tileapp/tileViewer.html>

Perseus XML Services (The Perseus Project, In Progress): A general overview of the TICI core services is available at <http://digitalclassicist.xwiki.com/xwiki/bin/view/osce/paperReg>. More detailed information can be found at <http://chs75.harvard.edu/projects/diginc/techpub/cts>.

Migration of Artifact Images to Fedora (The Perseus Project, In Progress): Currently migrating over 70,000 Perseus image metadata records to the Fedora institutional repository at Tufts' Digital Collections and Archives.

Perseus Infrastructure (The Perseus Project, In Progress): Working with the head of Tufts ASUnix to replace Perseus' outdated production hardware. The new hardware and virtualization will provide a network architecture that will increase performance, reliability, and security.

Art and Archaeology Module (The Perseus Project, Completed): The code is licensed under the Mozilla Public License is available on SourceForge at <http://sourceforge.net/projects/perseus-artarch/>.

The SCALE Project (The Perseus Project, Completed): Funded by the NSF and NSDL, the SCALE project is a reading environment to facilitate interdisciplinary learning through a reading assistance tool and an encyclopedia. The code is licensed under the Mozilla Public License and may be downloaded from SourceForge at <http://sourceforge.net/projects/scale/>.

The Theodosius Project (Fall 2003 - Spring 2004, College of the Holy Cross): Studied the *Spherics* of Theodosius, a Greek mathematician from the first century B.C. I presented my findings, along with a preliminary diagram markup language at the Center for Hellenic Studies that spring.

CONFERENCES / MEETINGS

CANE Summer Institute at Dartmouth: Co-taught 'Preparing Free Editions of Classical Texts' with Professor Neel Smith of Holy Cross.

Cyberinfrastructure for the Humanities, Arts, And Social Sciences, 2006

JCDL 2006: Presented a poster session on measuring the accuracy of relational statements in Wikipedia.

CHS Technical Working Group Meetings: Attended meetings at the Center for Hellenic Studies for development of the TICI service stack.

TEACHING/LEADERSHIP EXPERIENCE

Co- Instructor (Summer 2006, Classical Association of New England Conference in Dartmouth, NH) : Co-taught *Preparing Free Editions of Classical Texts* with Professor Neel Smith of Holy Cross. More information can be found at <http://katoptron.holycross.edu/cane06/>.

Summer Teacher (Summer 2004, The Butler Center in Westboro, MA): 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.

Resident Assistant (Fall 2003 - Spring 2004, College of the Holy Cross): Served as resident assistant of roughly 60 freshman my Junior year and 30 sophomores and juniors my senior year. Experience included enforcing college policies as well as building community through designing hall programs.

Men's Varsity Rowing (College of the Holy Cross): Rowed for three and a half years in a division I varsity rowing program. This involved a commitment of 20 hours per week on average.

PUBLICATIONS

"Beyond Digital Incunabula: Modeling the Next Generation of Digital Libraries." ECDL 2006.

"Services Make the Repository". JCDL 2006 workshop paper.

"Quantifying the Accuracy of Relational Statements in Wikipedia: A Methodology". JCDL 2006.

ADDITIONAL/FUTURE COURSEWORK:

Fall 2005: Introduction to Arabic

Summer 2006: Extreme Programming: Agile Methods and Open Source

Fall 2006: Computational Geometry and Computer Graphics

Spring 2007: Advanced Computational Geometry and Advanced Computer Graphics

EDUCATION

2006: Begin a Masters in Computer Science at Tufts University

2004: B.A., College of the Holy Cross (Classics and Mathematics), minor in Computer Science

1996: Killingly High School, Killingly, CT

HONORS

2006: Accepted as workshop participant at the *Cyberinfrastructure for Humanities, Arts and Social Sciences Summer Institute*

2004: Graduated *Summa Cum Laude*

2004: Dean's list (8/8 semesters), Magis Award, John C. Lawlor Medal

2003: Alpha Sigma Nu, Pi Mu Epsilon, Phi Beta Kappa

2002: Dana Scholar

1996: Graduated *Valedictorian*

LANGUAGES

Reading knowledge of Latin and Greek, with some knowledge of Arabic.

INFORMATION TECHNOLOGIES

Programming languages include Java, SQL, C, C++, Python, Scheme, Perl, PHP, XSLT.

Programming experience on the Unix, Linux, Windows, and Mac OS X platforms.

Beginner web application framework experience in Fedora, Spring, and Cocoon.

Other programs used include Shorewall, Tomcat, Apache, Ant, JUnit, and Eclipse.