

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Perseus Infrastructure (The Perseus Project, In Progress): Working with the head of Tufts ASUnix to replace Perseus' outdated production hardware.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.

Vision Research (Summer 2003 - Spring 2004, College of the Holy Cross): 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 (Summer 2002, College of the Holy Cross): 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.

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.

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