

Zachary Forest Johnson

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tags: information visualization, cartography, flash, actionscript3, php, python, flash remoting

EDUCATIONAL EXPERIENCE

Master of Science in Cartography and GIS, Department of Geography, University of Wisconsin

- » GPA: 4.00/4.00
- » Expected Graduation, May 2008
- » Concentrating on online maps and information visualization
- » Thesis Title: "Cartograms for Political Cartography: A Question of Design"
- » Advisor, Dr. Mark Harrower

Master of Arts in Political Science, University of Wisconsin

- » GPA: 3.72/4.00
- » Subfield concentrations in International Relations, American Politics, and Theory
- » Degree earned May 2004
- » Additional two semesters of post-Master's graduate coursework completed Spring-Fall, 2005

Bachelor of Arts in Political Science and International Relations, University of Arkansas

- » GPA: 3.76/4.00
- » Graduated Magna Cum Laude, May 2003

WORK EXPERIENCE

Teaching Assistant, Department of Geography, University of Wisconsin (Spring 2008)

- » Teach Geography 575: Interactive and Animated Cartography Lab
- » Teach all lab material, edit "Weekly Topics" lecture series
- » Assist Dr. Mark Harrower with grading

Teaching Assistant, Department of Geography, University of Wisconsin (Fall 2006-Present)

- » Taught 3 semesters of Introduction to Cartography Lab
- » Taught all lab material
- » Assist Dr. Mark Harrower with grading

Project Manager and Cartographer, University of Wisconsin Cartography Lab (Summer 2007-Present)

- » Project lead on AsthMap
- » Worked on other projects, including static maps

Student Programmer, University of Wisconsin Sea Grant (Summer 2007-Present)

- » Primary Flash programming for the Hydrologic Dashboard
- » Programming and design duties include the use of PHP, MySQL, Flash, Illustrator, and ActionScript 3.0

Teaching Assistant, Department of Political Science, University of Wisconsin (Spring + Fall, 2005)

- » Led four sections of Political Science 106: Introduction to Comparative Politics in the Fall, and four sections of Political Science 404: Introduction to American Politics in the Spring
- » Completed all grading duties for the approximately 90 students in my sections

Upward Bound Mentor, Pre-college Programs, University of Arkansas (Summer 2002)

- » A program designed to assist disadvantaged students in grades 9 through 12 and prepare them for a college education
- » Duties included a residential position in a residence hall with the students, meeting with a small group of students and instructing the students in skills relating to a college education

Orientation Leader, New Student Programs, University of Arkansas (Summer 2000)

- » Assisted with the on-going planning, implementation, and evaluation of New Student Orientation
- » Worked as a paraprofessional in presenting and distributing information to new students and family members
- » Served as a positive role model and ambassador on behalf of the University of Arkansas

Honors College Internship Program, University of Arkansas (Fall 2002)

- » Assisted the Honors College with recruitment of students
- » Helped develop communication strategies aimed at attracting prospective students
- » Participated in fundraising events

LEADERSHIP EXPERIENCE

Student Coordinator of MACDAD, Madison Area Cartographic Design and Debate (May 2007-Present)

- » Schedule speakers
- » Manage email list
- » Setup meeting space

Campus Organizer, New Voters Project, University of Wisconsin (August - November, 2004)

- » Devised and implemented a plan to register over 8,400 University of Wisconsin students
- » Trained and supervised a team of interns and volunteers
- » Revised and implemented a mobilization strategy aimed at increasing youth voter turnout
- » Recruited a team of core volunteers through class presentations and information tables
- » Ran a small office, coordinated phone banks, managed scheduling and database tasks

President of Pi Sigma Alpha, University of Arkansas chapter of the National Political Science Honor Society (Fall 2002 - Spring 2003)

- » Led monthly meetings with students and faculty to promote the field of political science
- » Organized two charity drives during the spring semester
- » Helped recruit new members to the group by speaking in classes and other campus groups
- » Organized the club's budget and collected dues from members

Fulbright College Student Ambassador, Univ. of Arkansas (Fall 2002 - Spring 2003)

- » Represented the College of Arts and Sciences at University events
- » Met with prospective students to discuss the benefits of the Fulbright College
- » Assisted incoming Fulbright college students with scheduling and classes

AWARDS

AAG/CSG National Geographic Mapping Award (April 2008)

- » For my Armed Forces Cartogram
- » Received a \$600 cash award and other prizes

David Woodward Award for Best Electronic Map, Student Division, CaGIS/ACSM Map Design Competition (February 2008)

- » For the World Freedom Atlas
- » Received a \$500 cash award and other prizes

Runner-up, North American Cartographic Information Society Student Web Mapping Competition (October 2007)

- » For the World Freedom Atlas
- » Received a \$250 cash prize

Barbara Bartz Petchenik Award for Cartographic Design, Department of Geography, University of Wisconsin (May 2007)

- » For my interactive mapping project wiscMapper
- » Received a \$175 cash prize

University Fellowship, Graduate School, University of Wisconsin (Fall 2003-Spring 2004)

- » Provided full tuition, fees, and a stipend
- » Released me from teaching and assistantship duties in order to undertake additional coursework

SILO Undergraduate Research Fellowship, Science Information Liaison Office, University of Arkansas (Spring 2003)

- » Provided 6 months of funding for my senior honors thesis research
- » Culminated in a research presentation at the 2003 SILO/SURF Research Conference
- » Paper entitled "2002 World Summit on Sustainable Development: Landmark or Lost Opportunity?"

Chancellor's Scholarship, University of Arkansas (Fall 1999 - Spring 2003)

- » Included full tuition, room and board for four years of undergraduate education

SOFTWARE SKILLS

Really Good At

- » Adobe Flash
- » ActionScript 3.0
- » Python
- » PHP
- » Adobe Illustrator
- » ArcGIS Suite

Pretty Good At

- » Adobe Photoshop
- » MySQL
- » Web Standards (XHTML, CSS)

PORTFOLIO

Online Projects

- » Hydrologic Dashboard, Ongoing (indiemaps.com/hydrologicDashboard)
- » AsthMap, Ongoing (indiemaps.com/asthMap)
- » World Freedom Atlas, Summer 2008 (freedom.indiemaps.com)
- » ...and many more (indiemaps.com/portfolio)

Printed Projects

- » Global cartogram of national armed forces
- » Relief shaded map of Sweden
- » Madison's Treasures tourist map
- » B & W map of New Orleans Golf Courses
- » ...and many more (all at indiemaps.com/portfolio)