

Joseph M. Jakuta

2022 Englewood Avenue; Durham, NC 27705 – 512/203-4538 – jmj22@duke.edu

Objective: To work for the conservation and stewardship of the environment, in particular, in relation to the improvement of transportation and energy policies and how they effect the environment.

EDUCATION:

Nicholas School of the Environment, Duke University | 8/08 - Present

Masters Candidate in Environmental Management: Environmental Economics & Policy

- Master's Project - Reducing Personal VKTs to Reduce Air Pollution in the Durham, NC
- Awarded a Dwight David Eisenhower Transportation Fellowship.
- Developed, with a team for Durham, a survey that concerned resident's GHG reduction activities.
- Modeled using MOVES2009 the impact of pollution in the Research Triangle.
- Organized a statistic group to analyze data sets on Nitrogen levels in a variety of watersheds on behalf of a PhD. Candidate, which involved managing schedules, doling out tasks as well as technical work.
- Excelled in classes in Program Evaluation, Environmental Politics, Resource Economics, Public Expenditures, Air Quality Management, Public Transportation Planning, Nonmarket Valuation, Survey Methods, Energy Technology, Environmental Law, Geographic Information Systems, and Statistics, which have provided a host of tools to combat environmental problems.
- Learned, through role playing, negotiation techniques for environmental conflict resolution.
- Traveled to Houston, Texas to meet with a variety of members of the hydrocarbon industry and developed an understanding of the workings of said industry and networked with individuals.
- Assisted in the planning and marketing of a symposium involving environmental markets, as well as a related biweekly speaker series.
- Participated in a student committee to interview potential staff recruits.
- Volunteered for orientation events for incoming students where we helped students choose classes, familiarize themselves with Duke and the city of Durham.

University of Maryland, College Park | 8/98 - 12/02

B.S. in Computer Science

- Explored a variety of mathematical, computer and other skill sets that include Differential Equations, Calculus, Statistics & Probability, Environmental Economics, Linear Algebra, Physics, Chemistry, and Computer Science classes that have proved important in working with environmental problems.
- Researched computer sound processing at the UMD Institute for Advanced Computer Sciences.
- Co-taught an introduction honor's seminar for first year students. Created lesson plans and facilitated class discussions on liberal arts, social issues and the environment.
- Produced and scheduled the regions only independent live music program at the campus's college radio station, in which I developed abilities to manage event planning and promotions.
- Received the Bodharamik, UM, CSEM, Clifford & Camille Kendall, and the Honors Scholarships.

PROFESSIONAL EXPERIENCE:

Smart Logic Solutions | 5/07 - 8/08

Project Manager/Web Developer

- Worked in a start up environment, which required independent work and self-motivation.
- Managed a team of developers located in Mumbai, held off-hour meetings to communicate problems with the system and planned development schedules for the team.
- Blogged concerning the Web 2.0 coding innovations that the team I was working with were, which expanded ability to relay critical technical knowledge on with a worldwide base of professionals using new media techniques.

Democratic Congressional Campaign Committee | 4/05 - 5/07

Web Developer

- Promoted to lead the technological portion of the online communications department.
- Developed Flash projects, including a web ad that was run on *The Huffington Post* and other prominent sites; a political ad for a candidate in a heated congressional race; the centerpiece of a political site *gopauctionhouse.org* that was featured on "Meet The Press" and "The Situation Room" with Wolf Blitzer, which provided invaluable experience with new media.

- Was part of a team that grew an email list from 200K to 2 million names, and raised \$6.5 million dollars, which provided vital expertise in working with mass email communications.
- Collaborated with the Online Outreach Director to statistically analyze ROIs for blog ad and email outreach campaigns.

H LiNa K Ventures | 11/03 – 12/09

Freelance Programmer

- Founded and managed an internet freelancing business that worked with several nonprofits (dccc.org, kind.org, nrdc.org, newcanaannature.org, and publicknowledge.org) and small businesses, which provided experience networking with clients and fulfilling the business needs of a variety of individuals.

OTHER EXPERIENCE:

Duke University | 8/09 – 10/09 | *Teaching Assistant for Environmental Conflict Resolution*

- Managed the logistics of assigning students to roles, assuring that they received the proper documents with time for them to prepare for their roles.
- Filled in for absent students so that others would not lose out on the role-plays that are the class's crux.

Earthjustice | 5/09 – 8/09 | *Coal Combustion Residue (CCR) Legal Research Intern*

- Analyzed SEC Reports for potential misrepresentations by owner/operators of CCR disposal sites.
- Compiled a database using EPA reports to determine companies that should be targeted for scrutiny.

Duke University | 1/09 – 5/09 | *GIS/Statistical Research Assistant*

- Performed Geospatial and Statistical Analysis on behalf of doctoral candidate for a research project on Nitrogen loading in rivers in the Southeast United States.

South West City of Durham Quality of Life | 11/08 – 4/09 | *Student Trolley Advocate*

- Began working with a group on fundraising projects to reintroduce a public trolley in Durham.

Kay Hagan Senate Committee | 9/08 - 11/08 | *Campaigner*

- Spoke with voters in North Carolina in person and via telephone in discuss the policies and ideas of a Senatorial candidate, which provided further experience speaking with citizens at a grass roots level.

One Less Car/1000 Friends of Maryland | 8/07 - 4/08 | *Transit Research Intern*

- Wrote a report on municipal bikeable and walkable street programs in the Mid-Atlantic region. Assisted in the logistics of two major events hosted by the groups.

Mary Jo Kilroy for Congress | 10/06 - 11/06 | *Group Leader/Campaigner*

- Led a campaigning bus trip for 20 Capitol Hill Staffers to speak with voters in Ohio.

Sierra Club of Texas, Austin Chapter | 11/04 - 2/05 | *Intern*

- Interned at the Sierra Club, which provided insight into how an environmental non-profit functions.

University of Maryland Institute for Advanced Computing | 8/02 - 4/03 | *Audio/Video Software Programmer*

NIST | 1/01 - 6/01 | *Software Development Research Assistant*

Boy Scouts of America | 8/91 – 5/98 | *Eagle Scout*

- Earned the rank of Eagle Scout after completing an environmental restoration project involving the construction of soil erosion prevention structures.

SOFTWARE SKILLS:

Databases - MS Access, MySQL

Design - Advanced Web Design, Flash, Graphic Design, Interface Design, OOA/OOD/OOP

General Skills - Audio/Video, Data Mining/Warehousing, Database Administration, Statistics

Languages/Tools - C, C++, HTML, JavaScript, Perl, PHP, Ruby, Shell Scripting, XML

Operating Systems - Apple Mac OS, Linux, Unix, Windows 95/98/NT/2000/XP

Software Packages - Adobe Acrobat/Illustrator/InDesign/Photoshop, ARCGIS, Mathematica, Matlab, Microsoft Office, MOVES2009, R, STATA