

Amanda Sparr

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EDUCATION

Present Foundations in Computer Science Graduate Certificate, **Stanford University**
2010 Certificate in Environmental Law and Regulation, **University of Washington**
2006 Bachelor of Arts, Urban and Regional Planning, **Eastern Washington University**

SUMMARY OF SKILLS & QUALIFICATIONS

- Fluent in Unix, C, Java, MATLAB, and Python.
- Proficient with Arcview and similar GIS applications.
- Three years of proposal writing and management experience.
- Four years of project management experience.
- Effective public speaker and presenter.

RELEVANT COURSEWORK

Computer Science and Engineering

- Mathematical Foundations of Computing, Stanford University (grade pending)
- Data Structures and Algorithms, UC Santa Cruz (4.0)
- Object Oriented Programming II, North Seattle Community College
(University of Washington CSE 143 curriculum, 3.6)
- Object Oriented Programming I, North Seattle Community College
(University of Washington CSE 142 curriculum, 3.6)

Other training and coursework

- Technology of Participation – Facilitation Methods. Institute of Cultural Affairs.
- Technology of Participation –Facilitation Graphics. Institute of Cultural Affairs.
- Public Involvement in the Transportation Decision-making Process. National Highway Institute

TEACHING EXPERIENCE

Guest Lecturer, Environmental Law and Regulation 2010 – 2011
University of Washington

Private Tutor, Mathematics & Science 2010 – Present
The Learning Lab

EMPLOYMENT HISTORY

Software Engineering Apprentice
Kryptnostic

June 2013 – Present

Support founder by editing white papers and submitting abstracts to academic and industry conferences. Assist in building implementation of patented fully homomorphic encryption scheme.

Computer Science and Mathematics Tutor, Owner
The Learning Lab

January 2013 – Present

Owner and founder of academic tutoring center. Support math and computer science students through tutorials, homework help and academic coaching.

Communications and Public Involvement Specialist
EnviroIssues, Inc.

2010 – 2011

Responsible for managing communications and outreach programs for large public projects and programs. Developed intra-agency and stakeholder presentations, created program materials and developed and implemented communications and public relations plans.

Project Manager
Norton-Arnold & Company

2007 – 2009

Accountable for leading stakeholder engagement and public outreach for major public projects and programs. Managed projects, implemented communications and public outreach plans, developed web content and led communication database operations.

Transportation Planning Specialist II
Washington State Department of Transportation

2006 – 2007

Responsible for research and planning for Washington State transportation policy plans and programs. Authored and developed public policy documents, and advised elected officials and executive officers on complex legislative and policy matters.

Intern
Leadership Spokane

2002 - 2004

Responsible for production of educational materials, media relations, event planning, curriculum coordination, management of youth volunteer program, grant research, and funding development efforts. Developed first annual Youth Leadership Summit events, designed program curriculum, coordinated speakers and secured sponsors.

Intern
International Trade Alliance

2003

Prepared and published annual report on international trade conducted in Washington, Oregon, and Idaho, delineating import and export activity and trends by industry sector. Conducted interviews with regional businesses participating in international trade.

PUBLICATIONS AND CREATIVE WORK

Washington Transportation Plan 2006-2027 | Lead author for the statewide long range transportation plan. Conducted research and analysis of existing and proposed policy and prepared recommendations to the Washington Transportation Commission. Planned and managed public outreach related to plan, advising legislative and executive leadership on responses to public comments and appropriate amendments to legislation and policy.

Clean Air Communications Audit | Designed and developed automated database to evaluate the Puget Sound Clean Air Agency's communications system and prioritization of investments.

Flood Control Capital Programing | Facilitated technical working groups and advisory body of elected county officials to develop evaluation criteria and prioritize capital projects for flood risk reduction.

Nightlife and Residential Land Use Conflicts Recommendations | Developed recommendations to mitigate noise-related nightlife and residential land use conflicts through the proposed amendments to the City of Seattle's noise control ordinance.

Public Health Laboratories Risk and Safety Assessment | Facilitated technical working groups, consultant research and recommendations, and stakeholder engagement for the Washington State Department of Health. This politically charged, and controversial project, encompassed master planning, development rights, and inter-jurisdictional relations. The final deliverable was a detailed risk and safety assessment of the Washington State Public Health Laboratories.

Federal Application: Interstate 5 Designation as a Corridor of the Future | Lead author for the successful tri-state federal grant application for the Corridors of the Future program. Coordinated grant application for Transportation Secretaries of the states of California, Washington and Oregon. Successful grant application resulted in \$15 million award for participating state agencies.

HONORS AND AWARDS

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| 2006 | Professional Achievement Award. College of Business and Public Administration, Eastern Washington University. |
| 2004 | Academic Merit Scholarship, Eastern Washington University Alumni Association. |
| 2004 | Excellence in Community Service Scholarship, Building Industry Association of Washington. |

BOARDS AND SERVICE

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| 2009 – 2010 | Planning Commissioner, City of Seattle Planning Commission |
| 2008 – 2010 | Communications Committee Member, Washington Chapter of the American Planning Association |
| 2008 – 2009 | Professional Development Chair, Puget Sound Chapter Women's Transportation Seminar International |
| 2003 – 2005 | Big Sister Mentor, Big Brothers Big Sisters of Spokane County |
| 2002 – 2004 | Board Member, Leadership Spokane Board of Directors |