

CURRICULUM VITAE

Jonathan Callahan

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Personal Information

Nationality USA
Date of Birth January 02, 1963
Family Married with three children

Objective

I am passionate about data visualization and user interface design – the elements that enable humans to interactively engage with large and complex datasets. My objective is to uncover the stories embedded in data collected by scientists and engineers.

Interactive Data Visualization Websites

Energy Exports <http://mazamascience.com/OilExport/>
Population Trends <http://mazamascience.com/Population/IDB>
USGS Minerals <http://mazamascience.com/Minerals/USGS>
Market Futures <http://mazamascience.com/Market/Futures>
Probabilistic Survey <http://www.epa.gov/bioiweb1/statprimer/ProbabilisticSampling/>
Rheumatology <http://mazamascience.com/Medicine/Rheumatology/>

Professional Experience

President at Mazama Science (2007 – present)

2011 IRIS Data Management Center (contract)
2010 – 2011 USFS Pacific Wildland Fire Sciences Laboratory (contract)
2010 – 2011 Geology non-profit Earth Systems Institute (contract)
2009 Danish medical informatics company ZiteLab ApS (contract)
2008 Educational software firm Knowledge First (contract)
2007 – 2009 NASA Global Change Master Directory (contract)
2007 – 2009 US EPA Office of Environmental Information (contract)

Scientist/Engineer

1995 – 2007 Joint Institute of Atmosphere & Ocean, University of Washington

Post-doctoral work

1993 – 1995 Departments of Chemistry and Radiology, University of Washington

Education

1993 Ph.D., Chemistry, University of Washington, Seattle, Washington
1986 B.S., German Languages, Washington University, St. Louis, Missouri

Recent Presentations

June, 2011 Clean and Green Investment Forum – “International Energy Trends”
October, 2010 ASPO-USA Peak Oil Conference – “Export Trends in Gas and Coal”
May, 2010 CH2M Hill Bellevue office – “Peak Oil by the Numbers”
May, 2010 USGS Washington, D.C. headquarters – “US Minerals by the Numbers”
May, 2010 US EPA Washington, D.C. headquarters – “Supporting Decision Makers”
October, 2007 Plone Conference – “Plone for Government Science”

Blogs

Working With Data <http://mazamascience.com/WorkingWithData/>
Energy Trends <http://mazamascience.com/EnergyTrends/>

Participation in software 'Sprints'

October, 2009 Plone Conference sprint
July, 2009 Seattle Django sprint
March, 2008 Team Building sprint at NASA's Global Change Master Directory (Lead)
February, 2008 Plone Science and Documentation sprint

Computer Skills

Preference python, R, HTML/CSS/jQuery
Experience Fortran, C, Java, perl, XML, SQL, Unix

Language Skills

English mother tongue
German fluent
French proficient