Jordan I. Walker

1010 Gammon Ln #1, Madison, WI 53719
email: jwalker@uwalumni.com — phone: 608.370.1908

EDUCATION

MS, Computer Science
University of Wisconsin-Madison – Madison, WI
May 2010, GPA 3.75/4.0

BS, Computer Science
University of Wisconsin-Madison – Madison, WI
Graduated with Honors, May 2008, GPA 3.623/4.0

COMPUTER SKILLS

(sizes refer to relative competency)

Languages: c Perl python Java bash c++ HTML clojure XSLT CSS sed JavaScript awk R SQL LaTeX groovy

Programs & Tools: git CVS JAX-RS Subversion NetBeans Eclipse vi NetCDF JUnit ExtJS maven jQuery Jenkins Liquibase dygraphs JNA JTS JPA angularJS JMeter Condor

Software Engineering Concepts: Unit Testing Kanban Test Driven Design Continuous Integration Integration Testing Agile Methodologies Software Architecture SCRUM

EXPERIENCE

Computer Scientist - GS-09   June 2010 - Present

- Developed Java web applications supporting science and science data.
- Researched and implemented applications using domain specific software (THREDDS, geoserver, 52 North WPS).
- Designed services and clients supporting open standard data exchange (WFS, WMS, CSW, SOS, OPeNDAP).
- Implemented standard processing services using OGC standards (WPS)
- Created web user interfaces using JavaScript and well known libraries and frameworks (jQuery, angular, openlayers).
- Worked in a team environment using agile practices.

Student Programmer   Feb 2007 - May 2010
University of Wisconsin Space Science Data Center, Madison, WI
- Supported operation of 600 Terabyte datacenter.
- Developed web applications for quality control of data.
- Wrote and updated programs working with several mySQL databases.
- Developed Java code for NASA Atmosphere PEATE project.

System Administrator   Mar - Dec 2006
University of Wisconsin Psychiatry Clinic, Madison, WI
- Supported hardware and software operations of clinicians and researchers.
- Performed tasks in managing network resources.
- Repaired hardware, including PCs and printers.

Computer Operator   Summer 2005
Computer Sciences Corporation, Hampton, VA
- Supported instructional design team with requested programming tasks.
- Developed SCORM compliant applications for US Military.
- Created Web applications for multiple training programs.

PUBLICATIONS

- *Description of the US Geological Survey Geo Data Portal Data Integration Framework.* Blodgett, David; Booth, Nathaniel; Kunicki, Tom; Walker, Jordan; Lucido, Jessica. IEEE, 2012.
- *A system for audio signalling based NAT traversal.* Patro, Ashish; Ma, Yadi; Panahi, Fatemeh; Walker, Jordan; Banerjee, Suman. COMSNETS IEEE, 2011.
- *Continuous Monitoring of Wide-area Wireless Networks: Data Collection and Visualization.* Ormont, Justin; Walker, Jordan; Banerjee, Suman. Sigmetrics Performance Evaluation Review, 2008.
- *A City-wide Vehicular Testbed for Wide-area Wireless Experimentation.* Ormont, Justin; Walker, Jordan; Banerjee, Suman; Sridharan, Ashwin; Seshadri, Mukund; Machiraju, Sridhar. WiNTECH, 2008.

ACTIVITIES

Badger Cheese Club - President and Co-founder
Association for Computing Machinery
UW Letters & Science Honors Program
American Geophysical Union