Sean Fisk

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Objective

I am a dedicated Computer Science graduate pursuing a position in software development.

Education

Grand Valley State University — Allendale, MI

Master of Science degree in Computer Science — 2011 – 2014
Recipient of Graduate Assistantship in High-Performance Computing lab, G.P.A. 3.910.

Bachelor of Science degree in Computer Science/Honors College — 2008 – 2012
Recipient of full scholarship, G.P.A. 3.857.

Jenison High School — Jenison, MI

Diploma, 2008; G.P.A. 4.244 — 2004 – 2008
Recipient of Computer Science Graduation Award and Orchestra Leadership Award, Grand Rapids Press Superstar Senior, National Merit Finalist, National AP Scholar

Work Experience

National Center for Atmospheric Research — Boulder, CO
Intern — May 2013 – August 2013
Developed custom domain-specific language interpreter in RPython. Performed high-performance computing research on NCAR's Yellowstone supercomputer.

Atomic Object — Grand Rapids, MI
Software Developer — May 2012 – August 2012
Groovy and Grails (Java-based) Web Development

Atomic Object — Grand Rapids, MI
Apprentice — May 2011 – August 2011
iPhone Development
Web Development
Ruby on Rails Development

International Material Control Systems — Holland, MI
Information Technology — June 2010 – August 2010
Web Development
Windows 2003/Active Directory Maintenance
Backup Management
Tech Support

MetroHealth Hospital — Grand Rapids, MI
Information Technology — 2007 – Present
Developed several programs that are used daily for MetroHealth.
Created e-forms that are used by the hospital in their daily protocoling process.
Developed database transfer programs.

Cannonsburg Challenged Ski Association — Grand Rapids, MI
Volunteer Ski Instructor — 2007 – 2008
Instructed physically disabled students.

Skills and Abilities

Programming Languages Python, C++, bash, C, PHP, Objective-C, Web (HTML, CSS, JavaScript, SASS/SCSS)

Libraries (Python) Standard Library, PySide (Qt), unittest, pytest, mock, Requests, lxml, Cython, Jython, PyPy, SciPy, NumPy, matplotlib, SQLAlchemy, Mayavi, Sphinx/reStructuredText, wxPython

Libraries (C/C++) Q Toolkit (Qt), Boost C++ Libraries, LLVM, GNU Bison, Flex, Message Passing Interface (MPI), pthreads, OpenMP, GraphicsMagick

Version Control git, Subversion, Mercurial, GitHub, GitLab

Build Systems GNU Make, CMake, Waf, SCons

Compilers (use of) GCC, Clang, MSVC, MinGW

System Administration Administering GNU/Linux systems, provisioning with Opscode Chef

Operating System Experience Mac OS X, iOS; Microsoft Windows XP, Vista, 7, 8; GNU/Linux Ubuntu, Debian, Fedora, CentOS

Web Development Jekyll/Octopress, Wordpress, Drupal, jQuery, Grails

Documentation Sphinx, Wikis, etc.

Testing Test-Driven Development, Regression Testing, Mock Testing

Extremely comfortable in a UNIX-like shell

High work ethic

Desire to learn

Excellent communication skills, both verbal and written

Strong interpersonal skills

Very organized

Respectful of others

Interests

Developing and distributing great software, participating in free and open-source software projects, guitar, singing, mountain biking, marching band, drumline, skiing, disc golf, outdoor activities.

References

Available upon request.