

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 in Computer Information Systems	2011 – 2014
<i>GPA 3.910; Recipient of high-performance computing graduate assistantship</i>	
Bachelor of Science in Computer Science	2008 – 2012
<i>GPA 3.857; Recipient of full scholarship</i>	
Jenison High School	Jenison, MI
Diploma	2004 – 2008
<i>GPA 4.244; Computer Science Graduation Award recipient, Grand Rapids Press Superstar Senior, National Merit Finalist, National Advanced Placement Scholar</i>	

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
Web development (Groovy and Java with Grails Framework)	
Atomic Object	Grand Rapids, MI
Apprentice	May 2011 – August 2011
iOS development	
Web development (Ruby on Rails, ExpressionEngine)	
International Material Control Systems	Holland, MI
Information Technology Intern	June 2010 – August 2010
Web development (Drupal, jQuery)	
Windows Server 2003 Active Directory maintenance	
Backup management	
Technical support	

Volunteer Experience

MetroHealth Hospital	Grand Rapids, MI
Volunteer	2007 – 2015
Developed several system maintenance programs.	
Created HTML forms used in daily protocoling process.	
Developed programs to facilitate information exchange between systems.	
Cannonsburg Challenged Ski Association	Grand Rapids, MI
Volunteer Ski Instructor	2007 – 2008
Instructed physically disabled students.	

Skills and Abilities

Programming Python, C++, GNU Bash, Ruby, C, PHP, Objective-C, JavaScript, Emacs Lisp

Testing Test-driven development, behavior-driven development, regression testing, mock testing

Version Control Git and GitHub, Subversion, Mercurial

Desktop App Development Qt, Windows Installer (WiX), OS X app bundling, GNU/Linux packaging

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

Operating System Experience Apple OS X, iOS; Microsoft Windows XP, Vista, 7, 8.1; GNU/Linux Ubuntu, Debian, Fedora, CentOS

Documentation Sphinx/reStructuredText, Markdown, Doxygen, Javadoc, wikis

Editors/IDEs GNU Emacs, Xcode, Visual Studio, Eclipse

Shells GNU Bash, Zsh, PowerShell, cmd.exe

Build Systems GNU Make, CMake, Waf, SCons

DevOps/Automation Chef, Vagrant, Homebrew, Chocolatey, AutoHotkey, shell scripting

Networking Nmap, Wireshark, mitmproxy, HTTP, SSH, TLS/SSL, VPNs, network programming, Internet protocol suite

Database Management PostgreSQL, SQLite, MySQL, SQLAlchemy, OpenEdge

Scientific Computing SciPy, NumPy, matplotlib, scikit-learn

High-Performance Computing Message Passing Interface (MPI), OpenMP, pthreads, Python multiprocessing, Cython, PyPy, Boost C++ Libraries

Parser/Compiler Development GNU Bison, Flex, LLVM, Grako, Boost.Spirit

Graphics Manual: GIMP, Inkscape; Automated: GraphicsMagick, ImageMagick, Pillow, GDI+, Graphviz

Extremely comfortable in both Unix shells and PowerShell

Knowledgeable about concurrent programming

Passionate about writing great technical documentation

Excellent communication skills, both verbal and written

High work ethic

Desire to learn

Very organized

Strong interpersonal skills

Respectful of others

Interests

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

References

Available upon request.