Sean Fisk

7792 Aster Lane
Jenison, MI 49428

+1.616.307.8222
sean@seanfisk.com

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
  GPA 3.910; Recipient of high-performance computing graduate assistantship
  Bachelor of Science in Computer Science   2008 – 2012
  GPA 3.857; Recipient of full scholarship

Jenison High School   Jenison, MI
  Diploma   2004 – 2008
  GPA 4.244; Computer Science Graduation Award recipient, Grand Rapids Press Superstar Senior, National Merit Finalist, National Advanced Placement Scholar

Work Experience

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

Atomic Object   Grand Rapids, MI
  Software Developer   May 2012 –
  Web development (Groovy and Java with Grails Framework)   August 2012

Atomic Object   Grand Rapids, MI
  Software Development Apprentice   May 2011 –
  iOS development   August 2011
  Web development (Ruby on Rails, ExpressionEngine)

International Material Control Systems   Holland, MI
  Information Technology Intern   June 2010 –
  Web development (Drupal, jQuery)   August 2010
  Windows Server 2003 Active Directory maintenance
  Backup management
  Technical support

Volunteer Experience

MetroHealth Hospital   Grand Rapids, MI
  Systems Integration Volunteer   2007 –
  Developed several system maintenance programs.   2015
  Created HTML forms used in daily protocoling process.
  Developed programs to facilitate information exchange between systems.

Speaking Experience

Software Engineering Assembly 2014 Speaker
  Tutorial Building An Empire: Productivity tips to improve your computing environment

Software Engineering Assembly 2015 Speaker
  Tutorial Packaging Python Projects

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, Clang, 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 technical documentation

Excellent communication skills, both verbal and written

High work ethic

Desire to learn

Very organized

Strong interpersonal skills

Respectful of others

References

Available upon request.