

Aaron Simmons

840 Dudley St., Lakewood, CO 80215
225-329-5181
aaron@aaronsimmons.name

SUMMARY

Well-rounded software developer with experience in multiple programming languages, technologies, and operating systems. Flexible team player and skilled communicator. Enjoys challenges and opportunities to learn new technologies.

COMPUTER SKILLS

- Proficient in: Java, C++, Perl, C
- Working Knowledge: PHP, JavaScript, HTML, XML, SQL, CSS, C#, Objective C, Visual Basic, NSIS
- Currently Learning: Ruby, Python
- Methodologies: Agile, OOP/OOD, Unit Testing, Design Patterns
- Libraries/Technologies: RegExp, JUnit, Swing, AWT, Pear, STL, Boost, CUnit, COM+, MFC, Cocoa, .Net, CGI, VBA, DOM, VNC, Kannel, SMS
- Tools: Eclipse, MS Visual Studio, XCode, LAMP, MySQL, Unix tools (bash, gdb, diff, patch, grep, ssh, dpkg, sed, etc), SVN, CVS, VMWare, Virtual PC
- Platforms: Windows XP, Mac OS X 10.2 – 10.5, Ubuntu Linux, Windows 9x, DOS, Mac OS Classic

EXPERIENCE

Software Developer

Nov, 2008 - Present

Rosetta Stone Labs, Boulder, CO

- Developed advanced Speech Recognition prototypes using Flex 3, Ruby on Rails, C++, Java
- Implemented many continuous integration best practices such as svn usage, build machines, unit testing, etc.

Peace Corps Volunteer

Mar, 2006 - Jun, 2008

U.S. Peace Corps, Philippines

- Created SMS hotline for reproductive health facts (freewebs.com/sexedtext) with open-source software (LAMP, Ubuntu, PlaySMS, Kannel). Adapted software using PHP, JavaScript, HTML, CSS, and MySQL. Developed deb package installer for Ubuntu.
- Developed open-source "Easy VNC Broadcast" tool for classroom screen broadcasting (vnc-easy-broadcast.googlecode.com) using Java (Eclipse, Swing) and NSIS.
- Contributed bug fixes to various open-source projects including Kannel (C++), PlaySMS (PHP, JavaScript, HTML, CSS, MySQL), Firefox Portable (NSIS), the NSIS language, PEAR libraries (PHP), and VNC Thumbnail Viewer (Java, AWT).
- Developed "no software requirements" resource CD for teachers using PortableApps platform.
- Maintained Wordpress/Gallery-based blog (aaronsimmons.name), customized using PHP and Google Maps Javascript API
- Taught IT and Math at two high schools; facilitated IT teacher trainings throughout the country.
- Published technical-help column in quarterly volunteer newsletter.

Software Design Engineer

Jul, 2000 - Feb, 2006

Texas Instruments, Dallas, TX

- Developed TI-SmartView 1.0 and 2.0 (tinyurl.com/226hyx), a cross-platform calculator emulator for Windows and Mac OS X which was internationalized for 11 languages, using C++ (Visual Studio, STL, Boost), Java (Eclipse, Swing, JUnit), and Objective-C (XCode, Cocoa).
- Developed question-search component of TI-Navigator 2.0 wireless classroom system using Java (Eclipse, Swing, JDBC, Apache Derby, SQL, JUnit).
- Developed multi-threaded middleware component of TI-Navigator 1.0 wireless classroom system (tinyurl.com/a9nn6) using C++ (Visual Studio, MFC, XML, STL and COM+).
- Developed TI-TimeSpan Creator 1.0 calculator timeline authoring software using C# (Visual Studio, Windows Forms).

- Developed TI-Connect 1.5 calculator-to-pc connectivity suite using C++ (Visual Studio, MFC, COM+, XML, Windows Explorer Shell and Namespace Extensions).
- Developed TI-StudyCards Creator 1.0 and 2.0 e-flashcard authoring software using C++ (Visual Studio, MFC, COM+).

Programmer*Jan, 1999 - Jun, 2000**Southern Regional Climate Center, Baton Rouge, LA*

- Developed web-accessible weather data aggregation system using C++, CORBA, NetCDF, and HTML on Solaris and Windows.

EDUCATION

University of Texas at Dallas*2005**Dallas, TX*

- M.S., Computer Science (focus in Artificial Intelligence)
- 3.9 GPA

Louisiana State University*2000**Baton Rouge, LA*

- B.S., Computer Science
- B.S., Mathematics
- 3.828 GPA