

Kyle Kamperschroer

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Education

University of Wisconsin – La Crosse - La Crosse, WI
Masters of Software Engineering/Computer Science Dual Degree

- Three time recipient of NSF S-STEM Scholarship

Grad: May 2013
Overall GPA: 3.67
CS GPA: 3.91

Relevant Work Experience

SAP Business Objects – La Crosse, WI
Intern – Build Tools and Services

July 2010 - Present

- Built installers for legacy products for 9 Unix platforms as well as Windows.
 - Technology used: InstallShield, InstallAnywhere, InstallScript, Ruby.
- Built scripts to automate building and testing installers.
 - Technology used: Ruby, CruiseControl, Perforce.
 - Key features: Detect changes in release area or RIF, build a new installer. Test installer for all specified platforms automatically. E-mail relevant parties upon success or failure.
- Convert build system from Perl to Rake
 - Technology used: Ruby, Rake, Perl, VisualStudio.
 - Key features: Convert sequential build system to a dependency based build system. Integrate and refactor existing tools to extend flexibility.
- Built HANA
 - Technology used: VMake, git, VisualStudio.
 - Set up a local HANA development environment and successfully built HANA. Working on setting up Linux developer environments for La Crosse developers.

UWL Network Services – La Crosse, WI
Student Network Technician

Oct 2009 - Sept 2010

- Maintained and deployed Cisco switches and wireless access points.
 - Wrote Ruby scripts to automate long processes, such as configuring switches.

Muskego Norway School District – Muskego, WI
Student IT Technician

June 2005 – Aug 2009

- Annually imaged all computers (~700) in the district using Novell Zenworks.
- Assisted teachers and administrators with any computer issues.

Relevant Coursework

- Open Source Development – Licenses, patents, bug trackers, and much more.
- Digital Image Processing – FFT, image compression, and similar image search algorithms.
- iPhone Development – All major points needed for building an iOS application.
- Software Engineering – Data structures, UML diagrams, and much more.
- Operating Systems – Virtual memory, machine language, process schedulers, and more.
- Structure of Compilers – Used Lex and Yacc to write a compiler using C.
- Independent Study – BOINC and MPI for distributed computation.
- Software Engineering – Life cycles, verification, validation, and much more.
- And much more...

Computer Skills

Languages/Technologies

- Competencies (in order of knowledge): Java, Ruby (and Rake), Ruby on Rails, PHP, Javascript/JQuery, Unix shells, C, Lex, Yacc, Objective C
- Exposure to: Perl, C++, Scheme/LISP, MIPS, and more.

Personal Projects

- Wrote an [extension](#) for Google Chrome with ~5,000 users and a 4.42/5 star rating. (Search: “Kyle Kamperschroer” in the Chrome Web Store to find.)
- Wrote many websites in Ruby on Rails, including <http://kylek.me>.