Kyle Kamperschroer

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Education

University of Wisconsin – La Crosse - La Crosse, WI   Grad: May 2013

Masters of Software Engineering/Computer Science Dual Degree   Overall GPA: 3.67

- Three time recipient of NSF S-STEM Scholarship   CS GPA: 3.91

Relevant Work Experience

SAP – La Crosse, WI

Software Developer II – Universal Data Cleanse (UDC)   July 2012 – Present

- Maintain and develop product for cleansing large amounts of data.
  o Plugs into Data Services, used by thousands of customers.
  o Technology used: Visual Studio, C++, Perforce, CodeCollaborator.
- Apply SCRUM and Agile methodologies to everyday development.

Intern – Build Tools and Services   July 2010 – July 2012

- Built installers for legacy products for 9 Unix platforms as well as Windows.
  o Technology used: InstallShield, InstallAnywhere, InstallScript, Ruby.
- Built scripts to automate building and testing installers.
  o Technology used: Ruby, CruiseControl, Perforce.
  o Key features: Detect changes in release area, build a new installer. Test installer for all specified platforms automatically. E-mail relevant parties upon success or failure.

UWL Network Services – La Crosse, WI   Oct 2009 - Sept 2010

Student Network Technician

- Maintained and deployed Cisco switches and wireless access points.
  o 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/IT related 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.
- Machine Learning – Neural networks, logistic regression, computer vision, text analysis, and more.

Computer Skills

Languages/Technologies

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

Personal Projects

- Wrote an extension for Google Chrome with ~7,000 users and a 4.44/5 star rating. (Search: "Kyle Kamperschroer" in the Chrome Web Store to find.)
- Wrote many websites in Ruby on Rails, including http://www.kylek.me.