



Emma Nelson

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PROFILES ([eknelson17](#))

Google Code
Bitbucket
GitHub
Tumblr
Twitter
Google+

KEY

* Current Course

Objective

Seeking an HCI, UX, web design, or interaction design co-op position for summer 2013.

Education

Rochester Institute of Technology, Rochester, NY - Expected May 2015

Bachelor of Science in Software Engineering - GPA 3.750 of 4.0

RELEVANT COURSES:

HCI 2*, Web Design*, Human Factors, Engineering of Software Subsystems, Project & Process Management, Human Communication*, Professional Communications, Vector Imaging, Typography, Basic Design

HONORS AND AWARDS:

RIT Presidential Scholarship, RIT Honors Program Scholarship, Dean's List 2010-12, Inducted into the National Society of Colligate Scholars Fall 2011

Experience

RESEARCH ASSISTANT ON JBRICK FOR IOS SOFTWARE ENGINEERING DEPARTMENT AT RIT

ROCHESTER, NY
8/2012-PRESENT

Designing a multi-touch application for children to program Lego Robots on an iPad using a drag-and-drop editor.

TECHNICAL INTERN FIDELITY INVESTMENTS

MERRIMACK, NH
6/2012-8/2012

Researched and designed a UI for a fleet dispatch application for iOS and Android.

RESEARCH ASSISTANT ON JBRICK SOFTWARE ENGINEERING DEPARTMENT AT RIT

ROCHESTER, NY
3/2012-5/2012

Worked on an accessible IDE for NXC and Lego Mindstorms development written in Java. We converted it from SWT to Swing so it would be cross-platform.

Projects

- Working on a team developing a prototype for a cross-device digital classroom. Doing all the graphics for the project, including logos and UI layouts.
- Acted as team coordinator for a pizza delivery system project in Java. Also designed and built the entire user interface for the system.
- Built and programmed a LEGO Mindstorms guitar that works similar to a Guitar Hero controller using NXC and ROBOTC along with simple threading techniques.

Activities

SOCIETY OF SOFTWARE ENGINEERS (sse.se.rit.edu)

- Public Relations Head (March 2012 - Present)
 - Manage communications with companies, alumni, and the SE Department, schedule events, facilitate student participation for open houses
 - Junior Public Relations Head from May 2011 - March 2012
- Mentor (September 2011 - May 2012)
 - Tutor students in computer science, math, and engineering topics

PEP BAND (www.rit.edu/sg/pepband)

- Member - Clarinet Section (September 2003 - Present)
 - Play at Football/Basketball (high school) and hockey (college) games

Skills

- Programming Languages: Java, C++, Python, Ruby
- Developer Tools: Eclipse, Vim, XCode 4
- Version Control Systems: Mercurial, SVN
- Other: HTML5, Design Patterns, Adobe Illustrator, iMovie, CSS3, Adobe Photoshop, Visio, JUnit 3