

# Emma Nelson

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## Objective:

Seeking an interaction design, UX, web design, or HCI 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 (\*Current course)

**Honors and Awards:** RIT Presidential Scholarship, RIT Honors Program Scholarship, Dean's List 2010, Inducted into the National Society of Colligate Scholars Fall 2011

## Work Experience:

**Research Assistant on JBrick for iOS, RIT, Rochester, NY** **8/2012-Present**  
Working on an accessible IDE for NXC and Lego Mindstorms development written in Java.

**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, RIT, Rochester, NY** **3/2012-5/2012**  
Worked on an accessible IDE for NXC and Lego Mindstorms development written in Java to make it 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.

## Skills:

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

## Activities:

- SOCIETY OF SOFTWARE ENGINEERS ([www.sse.se.rit.edu](http://www.sse.se.rit.edu))
  - Public Relations Head (March 2012 - Present)
    - Handle communications with companies, alumni, and the SE Department, schedule events, facilitate student participation for open houses
  - Mentor (September 2011 – May 2012)
    - Tutor students in computer science, math, and engineering topics
- PEP BAND ([www.rit.edu/sg/pepband](http://www.rit.edu/sg/pepband))