

# Joseph Dolivo

## Current Address (through May '08):

Hendrick House, Room #1001  
904 W. Green St.  
Urbana, IL 61801

## Permanent Address:

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Elgin, IL 60123

## E-mail:

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## Objective:

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To engage in real-world problem solving in the field of electrical engineering so as to broaden my understanding and appreciation for the profession itself.

## Education:

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**B.S., Electrical Engineering,**  
*University of Illinois at Urbana-Champaign*

- Dean's List

**Expected Graduation Date:** May 2010

**Cumulative GPA:** 3.56/4.00

**Spring '07**

## Experience:

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### Lab Research Assistant

Fall '07 - Present

*University of Illinois at Urbana-Champaign*

- Utilizing computational and statistical methods to analyze genome data sets for cancer research in the field of systems biology
- Coding highly-optimized MATLAB functions to handle large data sets efficiently
- First-authoring a paper for journal submission introducing a novel statistical approach to transcriptome-proteome mapping

### Lab Projects

Fall '06, Spring '08

*University of Illinois at Urbana-Champaign*

- Designing, constructing, and testing logic circuitry allowing a small vehicle to autonomously navigate along a white-tape track
- Assembling an AM radio receiver

### Stencyl Project

October '07 - Present

- Serving as technical advisor and quality assurance tester to founder and lead programmer of the open source, Java-based game development platform known as Stencyl ([www.stencyl.com](http://www.stencyl.com))

## Technical Skills:

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### Hardware

- Experience with oscilloscopes, function generators, multimeters, etc.

### Software

- C, C++, & Assembly programming (engineering curriculum)
- MATLAB (research)
- Mentor Graphics HDL Designer (engineering curriculum)

### Operating System Familiarity

- Windows (Win 95/98/XP/Vista, including Microsoft Word, PowerPoint, Excel)
- Linux (command line, gcc, g++, gdb, valgrind, etc.)