

# Matthew Schoen

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## **OBJECTIVE:**

To secure a development job contributing my skills and original ideas to a successful software project.

## **EDUCATION:**

### Boston University College of Engineering

Major: Computer Engineering

*(expected May 2010), Boston, MA*

Related Coursework: Intro. to Software Engineering, Algorithms, Logic, Computer Organization, Operating Systems, Microprocessors, Image & Video Processing, Calculus I,II,III, Differential Equations, Linear Algebra, Probability

Milton Academy (4 years), Milton, MA

## **WORK EXPERIENCE:**

### Freelance Web Designer

*Boston, MA (May 2008 - Present)*

- Contacted by Jared Zeidman, friend of a friend, in May 2008 about creating a sports/media blog and resume site
- After completion of resume site, contracted to develop the blog
- Blog site: [www.takeoverthegame.com](http://www.takeoverthegame.com) Resume site: [www.jwzmedia.com](http://www.jwzmedia.com)
- Currently working with Peter Elias on sites for EndWeb ([www.endwebdesign.com](http://www.endwebdesign.com))

### Research Assistant

*Boston, MA (May 2009- September 2009)*

- Research on Android platform for professor Ari Trachtenberg at the Network and Information Systems lab at Boston University
- Attended Google I/O 2009 to meet developers and learn about the Android platform
- Project: Audio-Based Data Transmission Protocol for Android Phones

### Boston University Teaching Assistant

*Boston, MA (September 2008 - May 2009)*

- In-lab teaching assistant for Professor Brower's Introduction to C++ class
- Spend 4 hours/week in a Linux teaching lab where students work on coding assignments
- Available to answer questions and troubleshoot programming problems, and I help grade project solutions.
- Job awarded for A in class and work sample.

## **PROJECTS:**

- Senior design project: 3Danywhere. Real-time multi-view interpolation for auto-steroscopic displays.
- Lead programmer for Needlemouse: The Emerald Hills. ([www.needlemouse.com](http://www.needlemouse.com))

## **SKILLS AND EXPERIENCE:**

### Computer Engineering (6 years):

- Proficient in Java (6 years)
- Experience with C++ (3 semesters)
- Experience with Matlab (1 semester)
- Verilog HDL, Assembly Language (MIPS) (2 semesters)
- Web experience (X/HTML, PHP, Ruby on Rails, AJAX, Javascript, Coldfusion, ASP/.net [VB and C#])

### 3D Modeling/animation (2 years):

- Experience with Blender 2.5 and Maya 2010
- Experience with Unity, a game development tool

### Video (4 years):

- Film and Video production course at Milton Academy
- Personal experience producing my own films, available on Google Video. DVD available on request
- Adobe Premiere Pro, Final Cut Pro, Adobe Audition, After Effects and numerous other video programs, Apple or Windows
- DV cameras, specifically Canon XL1/2, GL1/2 and pro audio recording equipment.

### Photography (3 years):

- Advanced photography course at Milton Academy
- Received an art prize at Milton Academy for photography and digital imaging
- Staff photographer, Daily Free Press at Boston University

### Audio (4 years):

- Chief technician Milton Academy A/V group
- GSUTech sound designer at Boston University
- Proficient with analog/digital audio mixers (Yamaha, Mackie, etc) and performance/theatre audio equipment
- Organized PA for professional bands (ZOX, Jump Little Children, etc.)