

# Andrew Hoyer

me@andrew-hoyer.com

<http://www.andrew-hoyer.com>

750 Pine Street, Apt 44  
San Francisco, CA, 94108  
415-601-5221  
me@andrew-hoyer.com  
<http://www.andrew-hoyer.com>

## Profile

I am currently working as a web application engineer (CSA) in San Francisco. I love all things to do with the internet. Outside of work I continue to challenge my technical skills, knowledge and creative abilities through my personal website.

## Experience

### **Web Application Engineer (CSA), Inklings;**

#### **San Francisco - CA - May 2010 - Present**

Inklings is an end-to-end platform for learning content, that brings interactivity and social collaboration to textbooks on the iPad. At Inklings, I help add interactivity and usability to rich web interfaces on the Inklings platform, as well as develop full web applications for internal use.

### **Summer Research Assistant, University of Alberta;**

#### **Edmonton - AB - May 2009 - August 2009**

Developed and implemented an online interface for the collection, management and analysis of environmental sensor network data. This interface, dubbed Enviro-Net, was then used as a tool to teach Earth and Atmospheric Science graduate students about database systems within wireless sensor networks. Enviro-Net is currently in use by the EAS department as a central storage location for data that has been collected from around the world.

This project involved working with graduate students and researchers to develop useful and powerful tools for cutting edge environmental research.

### **NSERC Undergraduate Student Research Award, University of Alberta;**

#### **Edmonton - AB - May 2008 - August 2008**

Collaborated with two professors in the Computing Science department to develop and implement a user-friendly interface for EcoNet, an interdepartmental sensor network project. The EcoNet project continues to run as both an outreach program for the department as well as a fixture for the testing of new sensor network hardware.

My primary responsibility was researching the appropriate tools and technologies needed to both store and display the collected data. In addition, I advised my supervising professors on interface and graphic design choices.

750 Pine Street, Apt 44  
San Francisco, CA, 94108  
415-601-5221  
me@andrew-hoyer.com  
<http://www.andrew-hoyer.com>

## Education

### September 2005 - April 2010, University of Alberta

Completed final year with a Grade Point Average of 3.6/4.0.

Was accepted into graduate studies, specializing in database systems (currently deferred).

### W.P. Wager High School - Graduated June 2005

Achieved honours in all three years and awarded the Alexander Rutherford Scholarship for High School Achievement.

## Academic Honors

2009 - Jason Lang Scholarship for Academic Achievement.

2009 - Participant in the University of British Columbia's *Rising Stars of Research Poster Competition*.

2009 - Participant in the *Inter-American Institute for Global Change Research: Summer School for Wireless Sensor Networks*.

2008 - NSERC URSA (Undergraduate Research Student Award) Scholarship.

## Skills

Extremely detail-oriented and self motivated.

Love of HTML, CSS and Javascript. Proficient with C and PHP.

Working knowledge of Adobe Photoshop.

Extensive experience with Mac OSX, Unix/Linux and Windows environments.

## Personal Interests

750 Pine Street, Apt 44  
San Francisco, CA, 94108  
415-601-5221  
me@andrew-hoyer.com  
<http://www.andrew-hoyer.com>

### Web Programming:

I am ever looking to learn new things, pushing myself and the technologies I love to work with. Most of this is done in the form of relatively small experiments on my personal website:

<http://www.andrew-hoyer.com/experiments>

Many experiments in the past have used the HTML5 Canvas and Javascript. These include a 2D cloth simulation, a simple fractal viewer and a sudoku solver. More recently I have begun to work with more CSS3 as well as new frameworks such as Jekyll.

Two of my experiments have been recognized by google as chrome experiments:

<http://www.chromeexperiments.com/detail/walking-with-css3>

<http://www.chromeexperiments.com/detail/2d-cloth-simulation>

I enjoy very much working in the constrained environment of the web browser and always challenge myself to create new and interesting projects.

### Other Interests:

Graphic design, photography and silk screening.

Avid Dungeons and Dragons player/game master.

### References:

Upon Request.