

COLIN SULLIVAN

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Education

Rensselaer Polytechnic Institute, Troy NY

- Pursuing a B.S. in Computer Science, Minor in Electronic Arts
- GPA: 3.75

May 2011

Skills

- JavaScript/jQuery/Ajax
- HTML5/CSS3
- SVG
- C/C++ and the STL
- PHP
 - Symfony Framework
- Hadoop
- SQL/Database Design
 - MySQL
- Python
 - Django Framework
- Cocoa
- Ruby
 - Rails Framework
- Java and Swing
- Audio/media programming
 - Max/MSP
 - Chuck
- Operating Systems
 - OS X
 - Windows
 - Linux
- Win32/Unix System APIs
- Advanced knowledge of digital media
 - Video editing (Final Cut Pro)
 - Audio editing (Soundtrack Pro)
 - Audio recording
 - Music/sound production (Logic 8, various AU plugins)

Professional Experience

IBM, Austin TX

May 2010 - Aug 2010

Extreme Blue Intern, Software Development

- Developed HTML5 interface for visualizing geographic data using SVG and the RaphaelJS SVG library
- Architected and implemented JavaScript class structure for data visualizations, integrating heavily with Google Maps API
- Integrated with IBM software via REST interface and Dojo classes
- Presented project to numerous IBM executives including CEO Sam Palmisano

Synthetic Cinema International, Rocky Hill CT

May 2007 - May 2010

Rotational Intern, Programmer, Video Editor, Sound Editor, Systems Support

- Developed web-based audition management system
- Edited Video for commercial clients
- Employed as an Audio Recording Engineer, Audio Editor, and Sound Designer for commercial clients and feature films
- Produced/composed music for commercial clients and feature films
- Taught video production courses to Yale Magazine, divisions of the Journal Register Company, and at Mitchell College

Pyro/FX Entertainment Group, Hamden CT

Jun 2006 - Jan 2010

Rotational Intern, Programmer, Systems Support

- Developed customized web-based explosives inventory system; tailored to the workflow of Pyro/FX
- Planned and executed digitally-fired fireworks shows for clients such as Mohegan Sun and New Years Eve Times Square, NY
- Provided computer-driven fireworks support
- Implemented Pyromate Inc. NightHawk® computer firing system into company workflow
- Provided training support for staff, and produced instructional materials for NightHawk® system

Software

KenyonAppliances.com

Jan 2010 – Mar 2010

Web-based CMS, PHP (Symfony MVC Framework) - Doctrine ORM - Ajax

- Developed entire system backend using Symfony PHP framework. Entire website can be managed through admin interface.
- Implemented Google Maps “find a dealer” functionality on frontend.
- Implemented seamless e-commerce area of website integrated with Paypal’s “Payflow Link”.

Concert

Jan 2010 – May 2010

Web-based Audio Organizer, Python (Django MVC Framework) - Django ORM - JavaScript - HTML5 - Ajax

- Worked with other students using the Unified Process to plan and develop application
- Implemented JavaScript framework for waveform display and highlighting functionality
- Implemented many other use-cases and functionality

Activities/Honors

- Rensselaer Medalist
- Undergraduate teaching assistant for Computer Science I
- RPI TV member (secretary Spring 2008 - Fall 2009)
- Eagle Scout
- Musician, Bass Guitar

May 2007

Fall 2008, Fall 2009

Fall 2007 - Present

July 2007

8 years