

Jonathan Dahan

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about

Programmer specializing in web development, system administration, hardware hacking, multimedia programming and audiovisual experimentation.

education

2007-2010 **Stony Brook University**
Stony Brook, NY Bachelor of Computer Science / minor in Digital Arts
2005-2007 **Carnegie Mellon University**
Pittsburgh, PA Attended Computer Science Program

work

Fall 2010 **Web Developer**, *Cold Spring Harbor Labs*
Cold Spring Harbor, NY Redesign, develop laboratory information management system for experimental pipeline.

2007-2010 **Cluster System Administrator**, *SUNY Stonybrook Research Foundation*
Stony Brook, NY Maintained the Galaxy/Seawulf Computing Clusters with a team of administrators.

Summer 2008 **Web Developer**, *Chyron*
Melville, NY Programmed with a team of developers a Flash / ActionScript3 weather system.

Summers 2003-2005 **Developer**, *Nu Horizons*
Melville, NY Designed, implemented and maintained numerous web technologies using ASP and MSSQL. This portal included parametric search systems, quiz software, and parts order forms.

skills

languages Java, C++, C, XHTML+CSS, Bash, Ruby, Python, javascript
software Linux Administration, Arduino + Processing, OSC, MIDI, git
hardware Arduino, iPhone, Stepper Motors, Nintendo Wii, monome controllers

projects

Image Tagmatching Use k-nearest neighbor algorithms to process and categorize images
OSC Motors Create network controlled motors and relays using OSC and arduino
Near-Space Balloon Sent a balloon over 100,000 feet in altitude to take pictures of long island and the
Launch curvature of the earth (<http://islandlabs.org>)
Exherbo Linux Package around 100 applications for the exherbo linux distribution, contribute to user
Contributor documentation
Attendee Metadata Programmed API for accessing attendee metadata, including live positioning at a
Project three day conference (<http://hope.net>)

organizations

Island Labs Founded hackerspace in 2008 (<http://islandlabs.org>)
Linux Users Group President of the Linux Users Group at Stony Brook from 2008-2009
Sigma Nu Brother matriculated in 2007

classes

Computer Communications, Principles of Database Systems, Internet Programming, Advanced Multimedia Techniques, Analysis of Algorithms, Fundamentals of Computer Graphics, Sound Design, Human-Computer Interaction