

Heather Dewey-Hagborg

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EDUCATION

- M.P.S., Interactive Telecommunications, May 2007
Interactive Telecommunications Program, Tisch School of the Arts, New York University
Masters Thesis project "Creating Creativity" explored the possibility of creating creative machines.
Paper and documentation available online: <http://www.deweyhagborg.com/spurious>
- B.A., Multimedia and Information Arts, June 2003
Bennington College

GRANTS AND AWARDS

- Sculpture Space, Utica New York: 2007 - 2008 Artist's Residency and grant. Funded by the New York State Council on the Arts, the National Endowment for the Arts and the Pollock Krasner Foundation. www.sculpturespace.org
- The General Store, Elk Horn Iowa: Summer 2007 Artist's Residency
- National Science Foundation award for RESNA student design competition (2006)
- Nathan Cummings Foundation grant for research and development (2006)
- New York University Graduate School Scholarships: Interactive Telecommunications Program Departmental Award (2005-2007) and Tisch Achievement Scholarship (2006-2007)
- Student Endowment for the Arts grant for undergraduate senior thesis project (2003)

EXPERIENCE

- Research and development intern, EnergyHub, March 2008 - Present
Assisting with development of new green consumer electronics device for ecologically focused startup company. Technical research and microcontroller programming.
- Teacher for Vision Education, September 2007 - Present
Developing 3-d modeling curriculum and teaching middle school - high school age students at SoBro community center in the South Bronx, NY.
<http://www.vemny.org/>
<http://www.vemny.org/sobrotec/>
- Research Assistant, September 2007 - Present
Assisting Douglas Rushkoff with dissertation research and writing in media theory.
- Columnist, Servo Magazine, April 2007 - Present
Writing a bi-monthly technical column 'Different Bits' focusing on implementation of artificial life algorithms on embedded processors.
- Private Electronics Contractor, September 2007 - Present
Prototype and develop final products for exhibit design companies Moey Inc. and Picture Projects. Final installations deployed in museums around the US.
<http://www.moeyinc.com/>
<http://www.picture-projects.com/>
- Private Electronics Tutoring, 2003 – Present
Teaching introductory microcontroller and electronics classes one on one to artists.
- Electronics Instructor, LEMURPLEX, December 2006
Teaching an introductory microcontroller and electronics class using the Arduino platform; from resistors and transistors to robots. <http://www.lemurplex.org>
- Programmer, New York University, July - September 2006
Developing C++ libraries, code examples, and documentation for the Arduino Microcontroller platform. <http://www.arduino.cc>
- Exhibitions Intern, American Museum of Natural History, June - August 2006
Repairing broken electronics in the Rose Center, model mold-making and plastic casting.
<http://www.amnh.org>
- Internship for Social Justice, Lower East Side Girl's Club, Sept.-Dec. 2005
Research project investigating the possibilities of setting up a free wireless network in the

- Lillian Wald subsidized housing projects of the Lower East Side. [http://www.girlsclub.org/Paper discussing the results available http://www.deweyhagborg.com/lesgc_survey_results.pdf](http://www.girlsclub.org/Paper%20discussing%20the%20results%20available%20http://www.deweyhagborg.com/lesgc_survey_results.pdf)
- Electronics Design and Programming Contractor, Buffington Effects, June 2004 - June 2005
Design and troubleshoot embedded applications, PIC programming (CCS and Microchip assembly), PCB design and fabrication. <http://www.buffingtonfx.com>
 - Electronics/Artistic Assistant, Jim Campbell, January 2005 - June 2005
Assist with prototyping and design, microcontroller programming, and assembly of exhibits. <http://www.jimcampbell.tv>
 - Radio Broadcaster/ DJ, Indymedia, October 2004 - June 2005
Volunteer at Enemy Combatant Radio (part of the Indymedia Network). Collaborate to produce weekly news show, interview guests, and broadcast live. Fund raising, and outreach. <http://www.enemycombatanradio.net>
 - Volunteer, Artist Television Access, March 2004 - June 2005
Assist as needed with Other Cinema weekly screening and performance series. <http://www.othercinema.com>
 - Web Scheduler / Assistant Audio Engineer, On24 Inc., March 2004 - January 2005
Allocating resources for web-conferencing events, organizing signal acquisition dept., setting up encoders, editing audio and video, running live streaming events, making cables and troubleshooting AV equipment, assisting engineers as needed.
 - Animator, Hydranet, January - March 2004
Creating web-based training videos for Hydranet CRM-gx, writing educational scripts on software usage, creating animations in Flash, re-editing previous videos in premiere. <http://www.hydranet.com/flash/training.php>
 - Production Manager, Robert Walsh, July 2003 - March 2004
Designing websites <http://www.bigbear-vacations.com> and <http://www.screenmusic.com>
Designing CD graphics, recording and editing sound for ScreenMusic library.
 - Sound Assistant, Richard van Dyke, October 2003
"Lets Go Voting" promotional flash video for Norman Lear.
 - Production Assistant, Placebo House, August 2003 - December 2003
Recording sound for TV shoots, designing website and graphics for Placebo promotional materials, editing video and sound, graphic design.
 - Videographer/Sound Technician, CATTV, Bennington VT, Dec 2002 - June 2003
Broadcasting live and recording town meetings.
 - Assistant Web Developer, Electronic Music Foundation, Albany NY, June - August 2002
Designing the UNESCO funded EMF Institute website, involving HTML and page layout.
Website: <http://emfinstitute.emf.org/>
 - Assistant Editor, Mercer Films, Albany NY, June - August 2002
Editing digital video for the short film "Face of the Enemy".
 - Sound Recording Studio Assistant, Tom Farrell, Bennington VT, Feb 2001 - June 2002
Recording sessions, designing sound for film and theater, tutoring of fellow students in digital audio editing and sound synthesis, organizational assistance.

EXHIBITS, PUBLIC EVENTS AND PUBLICATIONS

- February 2008 - Exhibit of *Captivated* at Sculpture Space in Utica, NY.
- January - February 2008 - Exhibit of supporting materials for the project *Who owns you?* at Ganette Gallery, SUNYIT in Utica, NY.
- January - February 2008 - Public installation of *Who owns you?* on a billboard in Utica, NY.
- Guest artist in conversation on the Yada Yada radio show, for the Open Engagement Conference: <http://jendelosreyes.com/openengagement/about.html>
- Columnist, Servo Magazine, April 2007 - Present (See above in *Experience*)
- May 3, 2006 - Presentation of Thesis research in the Interactive Telecommunications Program Thesis Week. Video archive online: <http://itp.nyu.edu/thesis/spring2007/stream.php?search=Dewey-Hagborg>
- May 8-9, 2006 - Presentation of Thesis research in the Interactive Telecommunications Program Spring Show
- July 2006 - Won the RESNA Student Design Competition for innovative new Assistive Technology for my project "Smart Hug", a wearable automated deep pressure vest for children with sensory integration disorders: <http://www.deweyhagborg.com/SmartHug/>

- July, 2006 - Installation of "Untitled Work for Nine Fans", (a collaborative piece with thomas Dexter) in the BAPLAB New Media art festival at 3rd Ward in Brooklyn:
<http://bushwickartproject.org/>
- May 2006 - Interactive Telecommunications Program Spring show
- December 2005 - "Lighter than Air" project published in Bob Park's book "Makers" in conjunction with Make Magazine. Project URL:
http://www.deweyhagborg.com/lighter_than_air/
- December 2005 - "Thought Patterns" collaborative performance at Galapagos Art Space in Brooklyn with Zach Layton and Toshi Ozawa
Images here: <http://www.flickr.com/photos/53956193@N00/sets/72157594333363153/>
- December 2005 - DorkbotNYC collaborative demonstration of EEG research for Thought Patterns project with Zach Layton, Toshi Ozawa and Leif Krinkle
- June 2005 - Presentation of "Bugs", my emergent robotics project at Dorkbot in San Francisco
Documentation of project: <http://www.deweyhagborg.com/bugs>
- May 2005 - Installation of "Bugs", in "Hands On Hands Off" emerging artists exhibition at California College of the Arts.
Documentation of project: <http://www.deweyhagborg.com/bugs>
- April 2005 - Robots on the March! A program I curated at Artist Television Access in San Francisco, highlighting artists in the Bay area working with robotics. Here is an article I wrote about the event for OtherZine <http://www.othercinema.com/otherzine/?issueid=2&articleid=24>

MAIN AREAS OF INTEREST

- Installation and Conceptual Information Art
- Physical Computing, Analog and Digital Electronics and Robotics
- Artificial Intelligence and Artificial Life
- Computer and Microcontroller Programming
- Art, Media and Cultural Theory
- Language and Communication
- Assistive and Educational Technology
- Philosophy
- Politics
- Writing

SKILLS

Computer, Electronics and Web

- Embedded electronics design, robotics, application development and PCB fabrication.
- Computer and microcontroller programming.
- Programming Languages: CCS C, Microchip Assembly, Python, Processing
- Web design, dynamic web development with the Ruby on Rails Framework, HTML and CSS
- Facile at learning new programming languages
- Graphic design including Illustrator and Photoshop
- Comprehensive understanding of digital and analog electronics
- Teaching and tutoring

Audio and Video

- Streaming media, webcasting
- Field and studio sound recording and post-production
- Sound design
- Digital video production and post-production
- Live television and radio broadcasting
- Applications: Pro Tools, Peak, Digital Performer, Final Cut Pro, Premiere ...

References available upon request.