Daniel M. Taub dmtaub.com

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Objectives:
To design technologies that contribute to the generation-defining human-computer symbiosis.
To understand everything; the perception, memory, and multiple intelligences of the noosphere.
To promote causes that allow people to grow, learn, and heal through creative self-expression.

Education:

Massachusetts Institute of Technology — Cambridge, MA
Graduate GPA: 4.9/5.0 — *September 2009*
Master of Engineering in Electrical Engineering and Computer Science

Undergrad GPA: 4.2/5.0 — *June 2006*
Bachelor of Science in Electrical Engineering and Computer Science. Minor in Biomedical Engineering

Employment:

Ginkgo Bioworks — Boston, MA
DNA Padawan in Software Engineering — *April 2011 – April 2012*
- Developed an open-source initiative to democratize test-tube decoding for the 96-well plate
- Engaged in test-driven development of a web-based CAD/CAM system for synthetic biology research

FDO Partners LLC — Cambridge, MA
Research Associate — *October 2009 – December 2010*
- Created a reporting framework to calculate, summarize, and display global equities trading data
- Collaborated on a large software engineering project to automate low-frequency equities trading

Microsoft Research — Cambridge, UK
Research Intern (dual appointment with MIT Media Lab) — *July 2009 – October 2009*
- Designed optical system for and fabricated prototypes of a 6-DOF optical pen UI for the SecondLight
- Programmed embedded DSP Smart Camera for real-time tracking and decoding of datamatrix codes
- Conducted significant background research on the history and impact of human-computer interfaces

Talking Lights LLC — Boston, MA
Senior Design Engineer — *April 2007 – January 2009*
- Built, programmed, and debugged mesh-networked location-aware 802.15.4 devices for minding and guiding
- Evaluated the application of these devices to health care, and iterative developed the GUI for caregivers

MIT Computer Science and Artificial Intelligence Laboratory — Cambridge, MA
Teaching Assistant for 6.004: Computation Structures — *August 2006 – January 2007*

Advanced Telecommunications Research Institute — Kyoto, Japan
Intern at the Intelligent Robotics and Communications Labs — *May 2005 – August 2005*
- Programmed an embedded ARM-linux device in C to coordinate multiple Bluetooth accelerometers
- Created protocols for time-synchronization, data collection, and preprocessing for hospital applications

MIT Microsystems Technology Laboratories — Cambridge, MA
Systems Administrator — *June 2003 – August 2003*
- Administered approximately 300 Unix, Linux, Windows, and Macintosh machines
- Revised and enhanced systems administration programs/scripts/documentation to expedite repair & installation

Self-Employed — E.H.T., NJ and Boston, MA
Independent Computer Consultant — *December 1999 – Present*
- Pinpointed clients' needs and developed software for use in medical transcription and clinical research
- Clients have included: New Institutional Service Company, Atlantic Gastroenterology, Atlantic Prevention Resources, Massachusetts General Hospital Department of Neurological Research

Computer Skills: Python, RoR, jQuery, Java, C/C++, Scheme, GTK, OpenCV, LAMP, .NET, R, MATLAB, Adobe Suite

Other Skills: Lighting Design & Control, Embedded Development, Music, Spoken Japanese, Acting, Deus Ex Machina

Leadership Positions: Founder and Intuition Architect of the Collaborative Electronic Mixed Media Institute (CEMMI)
MIT International Science and Technology Initiatives: MIT-Japan Ambassador
Tau Epsilon Phi, Xi Chapter: Treasurer, Chancellor, Chapter Alumni Risk Manager

Awards/Certification: IT Certification from Rutgers, Masonic Grant, Avoda Award, Harry Gessner Memorial Award for EECS