

Jon Moeller

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<http://moeller.io/>

Education

- 2010 - present **Texas A&M University, College Station, TX**
Master of Science, Computer Science
- 2004 - 2010 **Texas A&M University, College Station, TX**
Bachelor of Science, Computer Engineering

Experience

- 2008 - present **Interface Ecology Lab, College Station, TX**
Research Assistant
Worked as a graduate student research assistant under Dr. Andruid Kerne.
Projects developed during this time are available on my website.
- summer 2011 **Zigelbaum + Coelho, Cambridge, MA**
Interaction Design Intern
Designed and developed Timepiece Explorer, an interactive gestural video browser.
- 2010 - 2011 **Interface Ecology Lab, College Station, TX**
Teaching Assistant for Senior Capstone Design
Mentored 10 groups developing senior-level projects including combination iPhone/iPad gaming, multi-touch interaction, and interactive art.
- summer 2008 **Google Summer of Code, College Station, TX**
Intern for Dojo Foundation
Developed D-Rails, a set of Ruby on Rails extensions that enable easy use of the Dojo javascript library.
- fall 2007 **Energy Systems Lab, College Station, TX**
Web Developer/Designer
Design work and development for an energy-efficiency calculator web application.
- summer 2006
summer 2007 **National Instruments, Austin, TX**
Intern
Ported MathScript, a MATLAB-compatible language and functionality suite to Mac and Linux platforms.
- 2006 - 2007 **Hewlett Packard, College Station, TX**
Web Application Developer
Developed web infrastructure for a tool to help clients determine a server solution to fit their workload needs.

- 2005 - 2006 **Texas Manufacturing Assistance Center** *College Station, TX*
CAD Draftsman
- summer 2005 **Schneider Engineering**, *Boerne, TX*
CAD Draftsman

Publications

- 2012 **ZeroTouch: An Optical Multi-Touch and Free-Air Interaction Architecture**
Jon Moeller, Andruid Kerne
CHI 2012
- 2011 **ZeroTouch: A Zero-Thickness Optical Multi-Touch Force Field**
Jon Moeller, Andruid Kerne, Sashikanth Damaraju
CHI 2011 Interactivity
- 2011 **intangibleCanvas: Free-Air Finger Painting on a Projected Canvas**
Jon Moeller, Nic Lupfer, Bill Hamilton, Andruid Kerne
CHI 2011 Extended Abstracts
- 2010 **Scanning FTIR: Unobtrusive Optoelectronic Multi-Touch Sensing through Waveguide Transmissivity Imaging**
Jon Moeller, Andruid Kerne
TEI 2010
- 2009 **Toward Automatic Generation of Image-Text Document Surrogates to Optimize Cognition**
Eunyee Koh, Andruid Kerne, Jon Moeller
JCDL 2009

Service

- 2010 - 2011 **ACM CHI** *Reviewer*
- 2010 - 2011 **ACM TEI** *Reviewer*
- 2010 - 2011 **Environmental Issues Committee** *Media Chair*
- 2009 **Aggie Green Fund Campaign** *Media Design, Campaigning*

Software

- PCB Layout** *CadSoft EAGLE*
- Graphic Design** *Adobe Illustrator, Adobe Photoshop, Apple Pages*
- Sound Design** *Ableton Live, Logic Studio, Pro Tools, Max/MSP*
- Languages** *C, C++, Java, Python, Ruby, Javascript, HTML, Objective-C*
- CAD** *AutoCAD, SolidWorks*