

Jon Moeller

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bachelor of science, computer engineering
texas a&m university
computer engineering gpr 3.52
overall gpr 2.83
[expected may 2010]

expertise

java
mac
c/c++
embedded systems
pcb layout
linux
ruby
graphic design
xhtml/css
javascript

courses

data structures & implementations
analysis of algorithms
embedded system design
structures of interactive information
location aware computing
operating systems
parallel computing
computer architecture
computer system design

publications

Scanning FTIR: Unobtrusive Optoelectronic Multi-Touch
Sensing through Waveguide Transmissivity Imaging
[Moeller, Kerne; TEI 2010]

posters

Toward Automatic Generation of Image/Text
Document Surrogates to Optimize Cognition
[Koh, Kerne, Moeller; JCDL 2009]

interface ecology lab

spring 08 - present

Worked as an undergraduate research assistant under Dr. Andruid Kerne. Projects include: study design/evaluation, multi-touch interaction architecture, term vector semantic modeling for mixed-initiative web crawling, information visualization, video production, as well as many short term foci.

Recent research portfolio includes development of a novel form of optoelectronic multi-touch sensing. Worked independently on the project for several months before bringing it to the lab for more intensive research.

google summer of code

summer 08

Developed core functionality for d-rails, a ruby on rails plugin for the dojo javascript framework. Worked remotely with a mentor from the Dojo Foundation.

energy systems lab

fall 07

Briefly involved in web application development for a government mandated energy efficiency program.

national instruments

summer 06, summer 07

Mentored by a Senior Architect in the LabVIEW group; worked on many odd jobs from browser plugins to execution tracing tools. Also took on a two-term project porting various LabVIEW components to the Mac and Linux platforms.

hewlett-packard

fall 06 - spring 07

Maintained an intranet application which customized an HP server solution according to the user's workload specifications.

teex/tmac

fall 05 - spring 06

CAD drafting, manufacturing process flow improvement.

schneider engineering

summer 05

CAD drafting, development of new document standard.

09

08

07

06