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# Noura Howell

## EDUCATION

**School of Information  
University of California, Berkeley**  
PhD Student, advised by Dr. Ryokai  
3.93 GPA, 2014-2019 (est.)

**Olin College of Engineering**  
B.S. in Engineering with Computing  
human centered design, software and  
hardware prototyping  
3.68 GPA, 2008-2012

**Mississippi State University**  
Gap year—pure math for fun  
graph theory, group theory, topology  
3.46 GPA, 2007-2008

## TEACHING

INFOC262 Tangible User Interfaces, 2016  
teaching assistant to Dr. Ryokai

INFO290 Deconstructing Data Science, 2016  
teaching assistant to Dr. Bamman

## FAVORITE ACTIVITIES

Arduino; JavaScript; Processing;  
Python; openFrameworks; Bitalino;  
e-textile sewing, crochet, & soldering.

## CONTACT

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## Experience

**Intel Labs** 2012-2013  
Full stack web: UI design & development,  
microcontroller server side, multi client sync  
protocol for Galileo Connect Anything internet-  
of-things programming learner kit.

**MIT Media Lab** 2013  
Lab assistant: User studies, UI design, and  
software development for WaaZam!, a  
networked video environment for parents and  
children to create their own worlds and play  
together at a distance with Kinect.

**The Echo Nest** 2012-2013  
Full stack web: UI design & development,  
interactive data visualizations, data analysis,  
computation parallelization, and databases for  
sales demos, internal tools, and a  
management dashboard for 50K+ dynamic  
music objects for SiriusXM.

**Microsoft** 2011  
Program manager intern: Drove a showcase  
Windows 8 app from feature specification to UI  
design to implementation.

**Army Corps of Engineers** 2007  
My first programming project: Parallelized a  
10K+ line FORTRAN coastal water flow  
simulation by inserting OpenMP directives.

## PUBLICATIONS

N. Howell, L. Devendorf, R. Tian, T. Vega, N.  
Gong, I. Poupyrev, E. Paulos, K. Ryokai. 2016.  
**Biosignals as social cues: Ambiguity and  
emotional interpretation in social displays  
of skin conductance.** *Designing Interactive  
Systems* (DIS'16).

N. Howell. 2016. **Representation and  
interpretation of biosensing.** *Designing  
Interactive Systems Companion*.

L. Devendorf, J. Lo, N. Howell, L. L. Jung, N.  
Gong, M. E. Karagozler, S. Fukuhara, I.  
Poupyrev, E. Paulos, K. Ryokai. 2016. **"I  
don't want to wear a screen": Probing  
perceptions of and possibilities for  
dynamic displays on clothing.** *Human  
Factors in Computing Systems* (CHI'16).

S. Spence Adams, N. Howell, N. Karst, D.  
Sakai Troxell, and J. Zhu. 2013. On the  
L(2,1)-labelings of amalgamations of graphs.  
*Discrete Applied Mathematics* 161, 7-8: 881-  
888.

J. Shi, R. R. Sharma-Shivappa, M. Chinn, and  
N. Howell. 2009. Effect of microbial  
pretreatment on enzymatic hydrolysis and  
fermentation of cotton stalks for ethanol  
production. *Biomass and Bioenergy* 33, 1: 88

