Noura Howell

CONTACT

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github.com/Noura

EDUCATION

School of Information
University of California, Berkeley
PhD Student
3.9 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

FAVORITE TOOLS & LANGUAGES

Arduino, Processing, openFrameworks,
JavaScript, node, d3, web audio API,
Bitalino skin conductance sensor

EXPERIENCE

MIT Media Lab 2013
Lab assistant to then-PhD student Seth
Hunter: User studies, video coding, data
analysis, 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 developer: UI design and
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

Noura Howell, Laura Devendorf, Rundong
(Kevin) Tian, Tomás Vega, Nan-Wei Gong,
Ivan Poupyrev, Eric Paulos, Kimiko Ryokai.
2016. **Biosignals as social cues:
Ambiguity and emotional interpretation
in social displays of skin conductance.**
Designing Interactive Systems (DIS'16).

Laura Devendorf, Joanne Lo, Noura Howell,
Lin Lee Jung, Nan-Wei Gong, M. Emre
Karagozler, Shiho Fukuhara, Ivan Poupyrev,
Eric Paulos, Kimiko Ryokai. 2016. **"I don't
want to wear a screen": Probing
perceptions of and possibilities for
dynamic displays on clothing.**
*Proceedings of the 34th Annual ACM
Conference on Human Factors in Computing
Systems* (CHI'16).

Sarah Spence Adams, Noura Howell,
Nathaniel Karst, Denise Sakai Troxell, and
Junjie Zhu. 2013. On the $L(2,1)$-labelings of
amalgamations of graphs. *Discrete Applied
Mathematics* 161, 7–8: 881–888.

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