N O U R A
H O W E L L

E D U C A T I O N

UC Berkeley
Ph.D. student in Information
Management & Systems, 2014 —

Olin College of Engineering
B.S. in Software Engineering
3.68 GPA, 2008 — 2012
human centered design, CS,
teamwork, project management

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

P R O J E C T S

Interactive Audio Art & Tools
Explore sound. JavaScript, C++,
puredata, Processing. Myo, Leap
Motion. See tytel.org/lissa,
vimeo.com/113663163.

L A N G U A G E S & T O O L S

JavaScript, Python, C++,
arduino, Leap Motion, Myo, Kinect,
node, web audio API, angular, d3,
flask, jinja2, openFrameworks,
puredata, Processing, MIDI

T E C H N O L O G I E S

arduino, Leap Motion, Myo, Kinect

C O N T A C T

noura.howell@gmail.com
nourahowell.com
github.com/Noura

E X P E R I E N C E

Intel Labs
Santa Clara, CA   Feb – Aug 2014
As a highly collaborative contractor, helped make the Galileo prototyping board easier for new users. For non-coders, we made a simple web app for connecting sensors to actuators. For web developers, we provided a way to program the board in node instead of an Arduino script. JavaScript, Unix networking bash scripts. Galileo.

MIT Media Lab
Boston, MA   Jul – Oct 2013
As a lab assistant to then Ph.D. student Seth Hunter, user studies, data analysis, and software development for WaaZam!, a networked video environment for parents and children to create their own virtual worlds and physically play in them remotely. Also contributed new UI components to an openFrameworks addon. C++. Kinect.

The Echo Nest
Boston, MA   Jul 2012 – Apr 2013
Full stack web development for data-driven web apps and data visualizations. JavaScript, Python.

ADE at Olin
Rabat, Morocco Sep 2011 – Jun 2012
With the Affordable Design and Entrepreneurship program, as project manager on a distributed Boston/Rabat team, user research, design process, and interface design to enable illiterate urban Moroccan adults to independently make calls with their conventional mobile.

Microsoft
Redmond, WA   Jun – Aug 2011
Drove a showcase Windows 8 app from specification through UI design through implementation to bug triage.

R E S E A R C H

Olin College
Jan – May 2012
L(2,1)-labeling of new families of graph amalgamations and parallelizing automatic labeling algorithms. Python.
dx.doi.org/10.1016/j.dam.2012.11.007

North Carolina State University
May – Jul 2006
As a lab assistant, analyzed efficiency of microbial pretreatment for cotton stalk to ethanol conversion.
dx.doi.org/10.1016/j.biombioe.2008.04.016