

Caitlin A. McDonald

Computer Science & Engineering

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EDUCATION

Michigan State University

B.S. Computer Science & Engineering, Design Specialization
Honors College Member

East Lansing, MI, USA
August 2011 - Present
Graduation: December 2016

EXPERIENCE

Airbnb Search Team, Find Engineering Intern

Currently employed -- description pending completion of internship.

San Francisco, CA, USA
Summer 2016

Nest Labs Nest.com Team, Marketing Pages UX Engineer Intern

Built pages for product launches and holiday promotions, primarily using HTML, CSS (Sass), and JavaScript. Worked closely with design team to ensure quality across all screen sizes/resolutions, worked with Adobe Illustrator and Photoshop. Built Ruby gem to generate a living styleguide site from CSS markup/comments.

Palo Alto, CA, USA
Sept 2015 - Mar 2016

Google Google Forms Team Software Engineer Intern

Developed & tested disjoint locales feature in old Forms UI and themeing in new Forms UI. Implemented proof of concept (and significant portion of functionality) for "Individual View" of form results. Worked with JavaScript, Java, Closure, and an internal JavaScript framework.

New York, NY, USA
Summer 2015

Microsoft OneDrive Team, Windows Phone Software Developer Intern

Developed & tested new sharing UX for the WP OneDrive app (improved share success rate from 18% to 67% over two weeks). Built custom contact-selection dropdown control. Developed & tested Recycle Bin page & functionality.

Redmond, WA, USA
Summer 2014

Michigan State University College of Engineering

Teaching Assistant for CSE 231, Introduction to Programming I (Python)

Facilitated learning in the laboratory environment for 22 students. Inspected and scored weekly programming assignments. Developed presentations to review programming skills and principles for students.

East Lansing, MI, USA
Aug 2012 - May 2015

Spartan Innovations Michigan State University Web & Mobile Developer Intern

Designed & developed web sites and Android applications. Worked closely with clients and co-workers to ensure the appropriate and desired branding/image was created. Advised startups on technological challenges.

East Lansing, MI, USA
Aug 2013 - May 2014

Microsoft Windows Azure Team, Fabric Controller Program Manager Intern

Designed, developed, and tested a user interface for a prototype of a new Azure infrastructure, including implementing a demo walkthrough. Platform had potential to serve as a plugin for real-time diagnostics.

Redmond, WA, USA
Summer 2013

HACKATHONS

HackMIT MIT -- 24 Hours -- October 2014

2nd Place Overall & Best User Experience: Hopscotch

Bar hop companion app -- Utilized bluetooth-enabled breathalyser -- Built with Ruby on Rails.

TreeHacks Stanford University -- 24 Hours -- February 2015

3rd Place Overall, Best Pebble Hack, Best SmartThings Hack: Wake

Sleep detection, wearable computing, and home automation -- Built with Ruby on Rails, Pebble, Fitbit API, Arduino, and Groovy.

MHacks IV University of Michigan -- 36 Hours -- September 2014

Ziggeo API Prize, Venmo API Prize, 3rd Place UX: Goalkeeper

Social goalkeeping platform using videographic proof & monetary incentives -- Built with Ruby on Rails, Ziggeo API, IBM Bluemix, and Venmo API.

TreeHacks Stanford University -- 24 Hours -- February 2016

Top 3 (unranked), Most Creative, Top Amazon Alexa Hack: Pantri

Smart food storage and home automation -- Built with Ruby on Rails, Intel Edison, Node.js, Fitbit API, LIFX API, and Amazon Alexa.

Pebble Developer Retreat Pebble -- 3 days -- October 2015

Best Use of Circles

Developed series of creative watch faces for the Pebble Time Round -- Built with C and JavaScript.

HackIllinois UIUC -- 36 Hours -- Apr 2014

Top 10 Hack & Venmo API Prize: Split

Bill-splitting app -- Wrote bill-splitting algorithm for complex arrangements -- Built with Ruby on Rails and the Venmo API.

LEADERSHIP & ACTIVITIES

Women in Computing Past Vice President, Past Webmaster, Past Treasurer

Designed & built website, organized & fundraised for 17 undergrad students to attend GHC (Largest group MSU had ever sent).

2011 - 2015

Spartan Hackers Past President, Founder

Plan workshops, tech talks, small hackathons, and hackathon trips for a group of 60+ students.

2014 - 2015

SpartaHack Past Executive Director, Founder

Lead organizer for a 20+ person team for a 36-hour, 300-student hackathon.

2014 - 2015

Ladies First, A Cappella Past Public Relations Manager

2011 - 2015

Entrepreneurship Association Past Webmaster

2013 - 2015

Grace Hopper Women in Computing Conference Student Attendee, 2015 Google Scholarship Recipient

2012 - 2015

WORK & PORTFOLIO

LinkedIn

www.linkedin.com/in/mcdonaldca

GitHub

www.github.com/mcdonaldca

Portfolio

www.caitlinamcdonald.com

DevPost

www.devpost.com/mcdonaldca