<alex_cordonnier>

<education>

Bachelor of Science in Computer Science

University of Illinois at Urbana-Champaign, Class of 2017
James Scholar Honors Program — GPA: 3.55

<developer_skills>

JavaScript • HTML • CSS • jQuery • Java • C • Visual Basic 2010 • Z80 assembly • Arduino • GitHub • PHP

<experience>

Software Engineering Co-op at Midmark Corporation

May 2014 to Aug. 2014
I programmed microcontrollers in C for products such as medical procedure chairs. Some of my projects included:

- Fixing bugs with several interfaces and fixing code to comply with the coding standard
- Writing hardware-interfacing code for a new board
- Writing unit tests and test protocols
- Writing and fixing documentation
- Writing macros to export information from project status report documents to a SharePoint dashboard

E-Marketing Intern at Midmark Corporation

May 2013 to May 2014
Worked on several web development projects ranging in size, some of which I led. Projects included:

- Designing & developing HTML5 versions of the old Flash color selectors, including making them work on iPads
- Developing a new Dental color selector from the ground up, especially for use on a 42" touchscreen at tradeshows
- Developing HTML5 versions of three Flash banners at midmarkanimalhealth.com
- Producing an offline version of midmarkclinicalsolutions.com for the sales representatives' iPads and tablet PCs
- Editing various pieces of content on the corporate website, midmark.com

<projects>

More details at alexcordonnier.com

Running theater lights from a calculator

I designed, built, and programmed an Arduino-based device that connects to both a TI graphing calculator as well as DMX-wired theater or DJ lights. The calculator sends channel values to the Arduino, which in turn sends valid DMX packets to the dimmer racks. I also wrote the necessary driver for a TI-83 or 84 to communicate with the Arduino. The project was featured on Hackaday.com on Aug. 3, 2014.

Launchpage

I created a Google Chrome extension (written in HTML5, CSS, and JavaScript) that replaces the new tab page with a home screen of apps, like an iPad. Features include speed, custom backgrounds, a "chameleon" color scheme that adjusts to match the background image, and the ability to add arbitrary webpages.

<contact>

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