

# <alex\_cordonnier>

## <education>

### **Bachelor of Science in Computer Science**

University of Illinois at Urbana-Champaign, Class of 2017  
James Scholar Honors Program — GPA: 3.33

## <contact>

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Website: alexcordonnier.com

## <developer\_skills>

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

## <experience>

### **Software Engineering Co-op at Midmark Corporation**

May 2014 to present

I program microcontrollers in C for Midmark's computerized products such as power chairs.

### **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 include:

- 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 tradeshow
- 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

### **Webmaster & Web Developer at Plyhammer's Parts, LLC**

February 2011 to present

Developed and currently maintain an online store, plyhammersparts.biz, for a client selling Porsche parts.

- Built online store in PHP using Zen Cart, integrating with PayPal for payment processing
- Registered domains and set up web hosting for the site through DreamHost
- Integrated with Google Apps to provide @plyhammersparts.biz Gmail and Google accounts
- Set up a blog and social media profiles such as Facebook, Twitter, YouTube, and Google+

## <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.

### **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.