

# Henry Dixon

781 296 3295  
hdixon@cmu.edu  
hdixon.io

**Carnegie Mellon University** 2014 - 2018  
Bachelor of Science in Cognitive Science  
Additional Major in Human Computer Interaction

**Noble and Greenough School** 2010 - 2014  
Editor-in-Chief, *Calliope* (literary arts magazine)  
Photo Editor, Yearbook

## Skills

### Code

Python  
JavaScript  
jQuery  
HTML/CSS  
C  
Git  
SVN  
Java

### Design

Sketch  
Illustrator  
InDesign  
Photoshop  
Paper prototyping  
User studies

### Photo/Video

Mobile photography  
Aerial photo/video  
Final Cut Pro X  
After Effects  
Premiere

## Experience

### Researcher

2015 - present

#### *Human Computer Interaction Institute*

Built systems to determine an accurate measure of password strength based on latest research; conducted user studies and built the frontend for an open source password meter commissioned by PNC bank. Published a scientific paper in CHI with our results.

### UX Designer

2016

#### *TalkDesk*

Researched and analyzed customer habits and subsequently designed new systems to display customer metrics in a human-centric way, with emphasis on nudging customer behavior when necessary and avoiding information overload.

### Co-Founder

2013 - present

#### *Up Photography*

Started a business creating (drone-captured) aerial photos and videos. Targeted realtors in Boston area to help them sell high-end homes. Branched out to several real estate franchises including Coldwell Banker, Hammond, and Keller Williams. As of writing, we have completed orders to sell several dozen homes.

### Copywriting Intern

2015

#### *McCarthy Mambro Bertino*

Conducted market research, built personas, developed and presented marketing strategy for clients including Toyota and Subway; started and lead the launch of MMB's internally distributed magazine.

### Researcher

2014

#### *Carnegie Mellon's Department of Psychology*

Created python scripts to increase efficiency of data analysis for research on memory and learning; aided in collecting EEG data from participants.

### Engineering Intern

2012 - 2013

#### *EMC Corporation*

Developed scripts to assist engineers in EMC's interoperability testing lab with data migration; set-up servers for EMC product testing.

## Projects

### CMU Summit

Researched marketing strategy and produced promotional video for a tech conference bridging American and Chinese innovators, entrepreneurs, and venture capitalists.

### Interaction Techniques of Today

Revisited some classic laws governing HCI interaction techniques, including Fitts' law, with the aim of reframing these rules in a modern age of totally different ways of interacting with technology. Developed novel tests to measure scrolling and pointing interactions across all modern platforms.

### Wireless World Radio

Led a team of students to find and produce radio stories that left an impact on us. Now defunct.