

# Henry Dixon

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**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 comissioned 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**  
Revisted 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.