

# Zachary Aman

User Experience Developer

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## Education

### Carnegie Mellon University

Master of Human-Computer Interaction

August 2015 (Expected)

### University of Virginia

Bachelor of Arts in Computer Science and Religious Studies

May 2013

## Projects

### MHCI Capstone (Ongoing) - Project Lead

- Working with Draper Laboratories to build a non-intrusive communications system for first responders.
- Responsible for keeping the project on track through research, design, and prototyping stages.

### Lynnette

- Designed, tested, and prototyped the problem selection process in a math tutor to encourage a mastery orientation in students.
- Ran speed dating with twelve students and eighteen storyboards.
- Implemented a functional prototype in HTML and Angular.js.
- User tested the functional prototype with ten students.

### Color Pyramid

- Designed and implemented an Android application to teach practical color usage for novice designers.
- Conducted cognitive task analysis with novice and expert designers to find specific, actionable steps in color usage.

### Loopback

- Interviewed the CMU EMS department to identify problem areas and opportunities for workflow optimization.
- Designed a mobile application to facilitate feedback and targeted training for EMTs.

## Work Experience

### Mobile Posse - Developer

May 2013 - June 2014

- Implemented responsive, cross-browser mobile web experiences.
- Designed and developed an internal scheduling tool to manage content delivery and analytics.
- Helped monetize two million users by building routing and scheduling infrastructure.

## Development

HTML5

CSS3

Javascript

jQuery

Angular.js

MEAN.js

Git

PHP

MySQL

Android

Java

C++

MIPS

## Design Tools

Illustrator

Photoshop

InDesign

Premiere

Sketch

## Design Methods

Sketching

Wireframing

Storyboarding

Speed Dating

Interactive Prototypes

Responsive Design

Education Design

Motivational Design

Cognitive Task Analysis

## Research Methods

Personas

A/B Testing

Survey Design & Analysis

Log Analysis

Google Analytics

Competitive Analysis

Think-Alouds

Affinity Diagrams

Sequence and Flow Models