

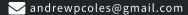
# Andrew

**UX DESIGNER** 

CONTACT

505.980.2659

11511 Metric Blvd. #212 Austin, TX 78758



andrewpcoles.com

in /in/andrewpcoles/

### **ABOUT ME**

I'm excited to leverage my engineering, user research, and design skills to create world-class user experiences for every application — from websites and mobile apps to car stereos and door handles — no matter what it is, using it should make you smile.

## **CAREER INTERESTS**

UX Research & Design Graphic Design Programming & Scripting Digital Audio Engineering Electronic Engineering

# TOOLS

Adobe Audition | Photoshop | XD Sketch | InVision | Balsamiq Python | C | SQL HTML | CSS | PHP MS Excel | Google Sheets

## **EDUCATION**

#### MS in Information Studies | UX Research & Design

University of Texas at Austin: 2017 - 2019

#### BS in Electrical and Computer Engineering | Digital Signal Processing

New Mexico State University: 2012 - 2016

## SELECTED PROJECTS

#### Individual Mobile App Design Sprint - "ZakyApp"

Companion app prototype, satisfying requirements from NurturedByDesign for the Zaky: a wearable biometric device for babies. Design stages: requirements gathering, competitive analysis, scenario mapping, wireframing, low-fi prototyping, usability testing, high-fi

Tools: Adobe XD | InVision

#### Group Mobile App Design - "Motivatr"

Prototype based on full UX design cycle. Stages: contextual inquiry, competitive analysis. user research, wireframing, low-fi prototyping, hi-fi prototyping, usability testing, and design refinement.

Tools: Balsamiq | Sketch | InVision

#### Research Project - Biometrics and Visual Design

Research project utilizing eye tracking hardware and software in order to probe the relationship between a subject's biometric markers (positional eye tracking, heart rate, galvanic skin response, and emotional facial recognition) and the subject's declared assessment of website visual designs.

Tools: Tobii Eye Tracking Hardware | iMotions Research Platform

#### Graduate Capstone Project - "BabyBot"

Partnered with UT Psychology department to initiate UX-focused research into the future creation of a postpartum intervention chatbot application. Conducted research and interviews with Postpartum Support International helpline staff, collected and analyzed research to inform the design and engineering process for the Al-enabled chatbot.

Tools: Adobe XD

#### Undergraduate Capstone Project - "SpeakerBus"

Augmented existing surround sound installations with additional speakers via central transmitter-multiplexor. Receiver, coupled with DC powered speakers reconstructs signal and plays one channel. Realized with software simulation and prototype electronic circuits.

Tools: GNU Radio Software | Ettus RF Hardware

# PROFESSIONAL EXPERIENCE

# ECE DEPARTMENT WEBMASTER

New Mexico State University: 2014 - 2016

- Oversaw migration of departmental website to a new, more modern hosting service
- Created web content for current events, staff awards, and departmental announcements
- Edited web content to ensure adherence to University policies

## INCA CUBESAT EMBEDDED SYSTEM PROGRAMMER New Mexico State University: 2015

- Wrote system clock, error management, and other functions in C++ environment for custom Linux embedded system as member of Command and Data Handling subteam
- Presented and demonstrated subteam progress for weekly project meetings

#### LEAN LAUNCHPAD ECE STUDENT LEAD New Mexico State University: 2015

- Coordinated with ECE professors to test and demonstrate MIT Lincoln Labs DIY radar kit to incoming engineering students
- Instructed students in corporate entrepreneurship, utilization of Business Model Canvas and introductory systems engineering practices
- Worked with local vendors, university administration and faculty to plan seven-day workshop for 30 incoming student participants