

# OLT's User Experience Office as a Resource for COS IW 07

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Damian Sian  
Mary Albert



# Discussion Guide

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- 1 Intro to the UXO: Who We Are
- 2 Student Projects We Have Supported
- 3 Ideas and Possible Directions
- 4 Ways to Follow-up

# User Experience Office (UXO)

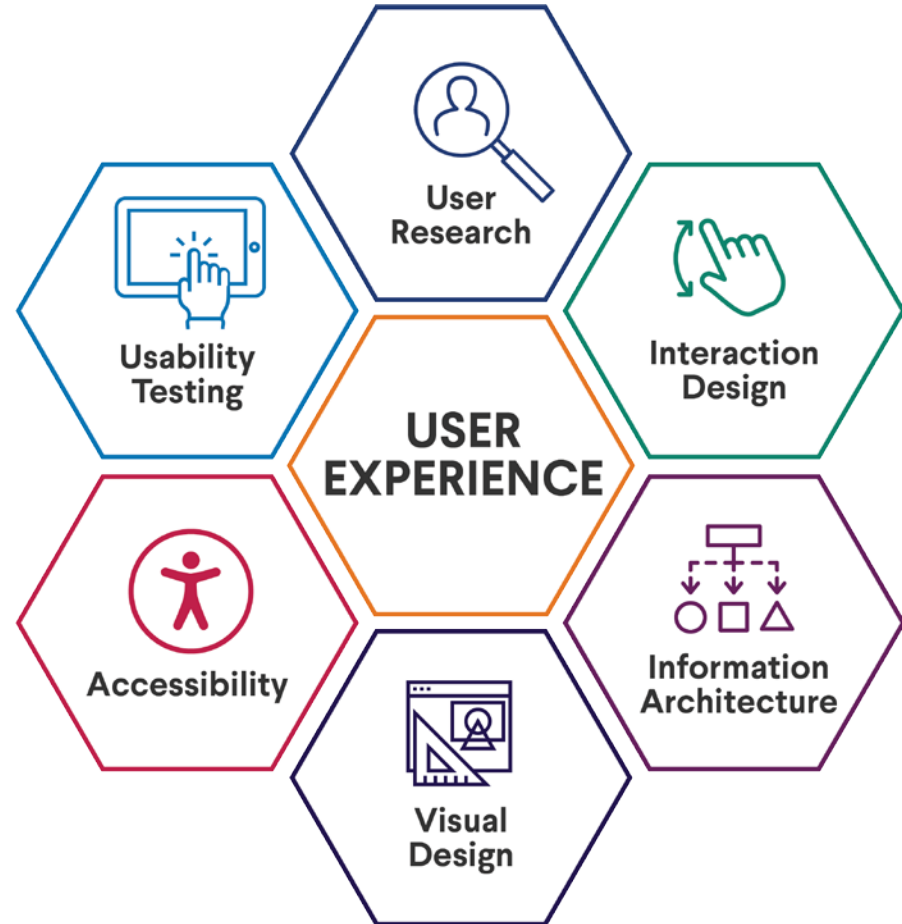
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Who we are



# Inclusive, User-Centered Design

The User Experience Office (UXO) provides guidance, methods, training, and resources to support all aspects of user experience design.





# The UXO Staff



Mary Albert  
Associate Director



Charlie Kreitzberg  
Senior Advisor  
User Experience



Damian Sian  
Senior Advisor  
Web Accessibility



Susan Spraragen  
Senior User Experience  
Researcher

# Accessibility Training & Outreach

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- Over 200 staff trained in Intro to Web Accessibility with the participation from NJ Commission for the Blind and Visually Impaired. Sessions offered monthly
- [A11Y Meetup](#) brings featured speakers and experts to campus, only meetup in Ivy League
- More [certified professionals in accessibility](#) than any other organization in the world

# Student Projects

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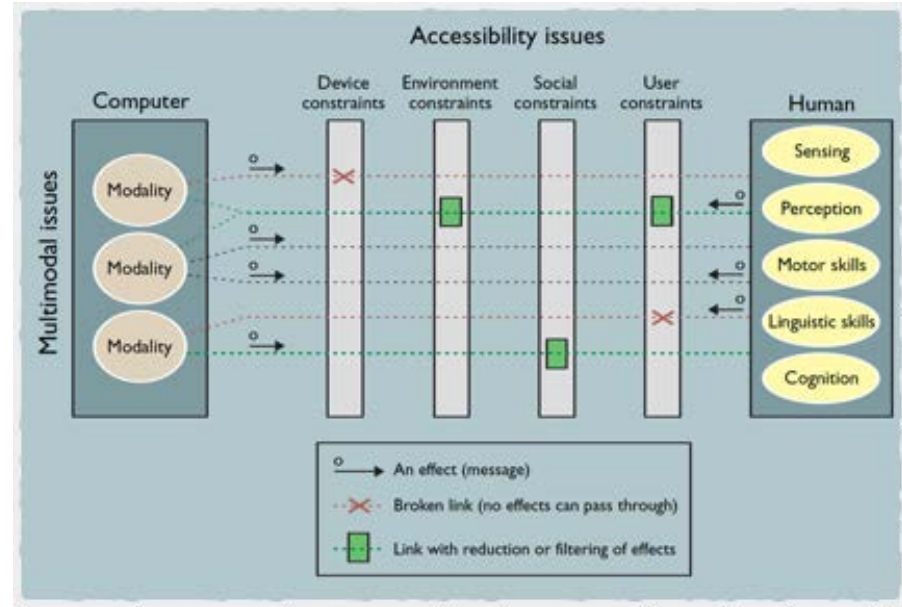
Accessibility projects we have supported

# Buzz Me

Nora Bradley '18 and Max Greenwald '17 built a wearable, multi-modal system of delivering audience engagement along with [Haben Girma](#) for [Global Accessibility Awareness Day](#).

## Resources:

- [Original pitch for the Tiger Challenge](#)
- [Watch Nora & Max at GAAD 2017 \(start @ 59:52\)](#)
- [CST article on Buzz Me](#)



Source: UNIVERSAL ACCESSIBILITY AS A MULTIMODAL DESIGN ISSUE by Zeljko Obrenovic, Julio Abascal, and Dusan Starcovic

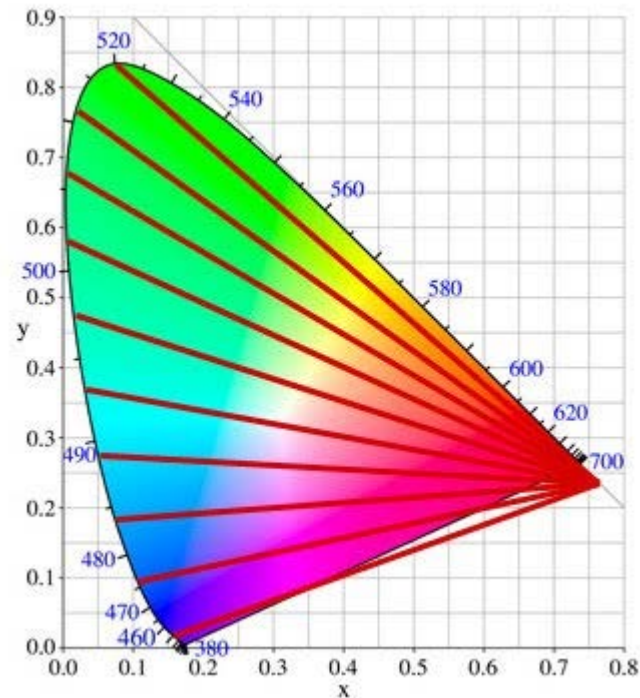


# Color Daltonization App

Inspired by her brother's rare color perception, Rani Jaiswal '18 built an application to allow for personalized color preferences for a wide variety of color weaknesses.

## Resources:

- [Rani's presentation](#)
- [Professor Thomas Conlan's views on color perception as an identity](#)



Source: <http://www.daltonize.org/>



# Ideas and Directions

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Our door is always open



# AIRA

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Wearable technology coming to campus.  
Connects non-sighted users with live operator to help navigate the built environment.

**Resources:**

- [Tech Crunch article](#)
- [Chancey Fleet Podcast](#)





# IM Transportation

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Nanocrystals and specialize electronics embedded into paint on roads and walkways for a location in guidance of pedestrians when “wanded” over with a white-cane. The ability to “tune” the nanocrystals allows for identification of individual components of a system.

## Resources:

- [Brochure for product](#)



# Chancey Fleet

Chancey works at the Braille library in the NY Public Library and is an expert in assistive technologies.

## Resources:

- [Chancey Fleet of NY Public Library](#)
- [Relay \(MFA Thesis Project\) by Nour Malaeb advised by Chancey winner of Fast Company's Innovation By Design Awards](#)



**ChanceyFleet**  
@ChanceyFleet

Following

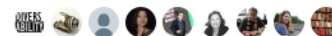
Another day, another vague AF headline. Will it report inaccessible apps? Fend off handsy strangers? Sort my novelty socks? Imbue student designers with a desire to talk to experienced blind people? Kill Flash forever? Impossible to tell!

**BlindLeadingTheBlind** @AlanGunzburg

Local Teens Develop High-Tech Device To Help The Visually Impaired  
[sanfrancisco.cbslocal.com/2018/09/07/loc...](http://sanfrancisco.cbslocal.com/2018/09/07/loc...)

7:40 AM - 8 Sep 2018

3 Retweets 8 Likes



1



3



8





# Thomas Logan

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Thomas owns and operates Equal Entry, an accessibility consulting firm. His areas of interest include virtual and augmented reality. Thomas is also the co-organizer of the A11Y NYC Meetup.

## Resources:

- [Thomas Logan of Equal Entry](#)
- [Watch Thomas' presentation on a11y in VR](#)





# Haben Girma

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Haben Girma has offered her assistance to Princeton students in the past and I'm confident she would again. She is a tremendous resource to bounce ideas off to gain insight from her expertise.

## Resources:

- [Haben at WWDC 2016](#)





# Kessler Foundation


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The Kessler Foundation here in NJ focuses the following areas of research:

- Human Performance and Engineering
- Neuropsychology & Neuroscience
- Outcomes & Assessment
- Spinal Cord Injury
- Stroke Rehabilitation
- Traumatic Brain Injury







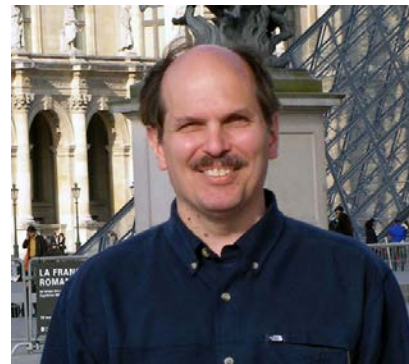
# ETS Accessibility Research Team

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The ETS a11y research group's mission is to advance accessibility of assessments and the wider Web through research, standards development, and innovation in assistive technology.

## Resources:

- [Mark Hakkenin, PhD](#)
- [Jason White, PhD](#)
- [Cary Supalo, PhD](#)



# ISLAND Conference

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09/14 and 09/15 at Bowen Hall conference on integrating persons with disabilities into Science, Technology, Engineering, and Mathematics (STEM) fields.

## Resources:

- [9th Annual Inclusion in Science, Learning a New Direction, Conference \(ISLAND\) on Disability](#)



Source: Talking Labquest 2 and Graphiti setup

# Ways to Follow-up

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Our door is always open

# How Can We Help?

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## Upcoming Events

- [ISLAND Conference](#)
- [World Usability Day](#)
- [Inclusive Design 24 sessions](#)
- [A11Y Princeton Accessibility Meetup](#)

## User Research and Usability Testing

- For project ideas: Support in interviewing people with disabilities
- Training in user research methods
- Training and support in usability testing
- Training and support for accessibility testing to WCAG standards

# Contact Methods

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Our team is ready to help...

- Mary Albert  
Associate Director, User Experience Office  
609-258-9686  
[marya@princeton.edu](mailto:marya@princeton.edu)
- Damian Sian  
Sr. Web Accessibility Advisor  
609-258-6288  
[dsian@princeton.edu](mailto:dsian@princeton.edu)

# Websites

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Information and tools are available at:

- [ux.princeton.edu](https://ux.princeton.edu)
- [accessibility.princeton.edu](https://accessibility.princeton.edu)