Yu-Jen Lin

| http://yjlintw.github.io/yujenlin | yjlintw@umich.edu | (734)834-7540

Education

University of Michigan, School of Information

Ann Arbor MI | present

PhD Student
Tangible Interaction

Advisor: Sile O'Modhrain

University of Michigan, School of Information

Ann Arbor,MI | 14

M.S.I. in Human-Computer Interaction

National Taiwan University

Taiwan | 2009

B.S. in Electrical Engineering

Selected Skills

Programming

C++
Objective-C
Java
Javascript
Arduino
Android
OpenCV
OpenFrameworks
Unity3D
Matlab/Octave

Design

Illustrator
Photoshop
Rhinoceros
SOLIDWORKS

Selected Courses

Machine Learning
Computer Vision
Game Design
Digital Fabrications

Relevant Work Experience

Tanvas, Software Engineer Intern   Chicago, IL | May - Aug '15

- Designed Android haptic applications' which demo the surface haptic technology in academic and industrial conferences
- Designed the preliminary SDK framework for Android developers to communicate with the Hardware.

Techart Group, *Software Engineer*   Taiwan | May '12 - Aug '13

- Designed UX interaction flow and mockups and implemented the prototype into real products

Relevant Projects (more on yjlintw.github.io/yujenlin)

Social Sensory Surface   Ann Arbor | 2015

- Developed tactile interfaces to confront critical challenges of learning and social engagement for children with Autism Spectrum Disorder.
- Used Kinect and conductive textile to implement the touch

Olegoru   Ann Arbor | 2014

- Designed a soundscape composition tool to enhance imaginative storytelling with tangible objects.
- Implemented a Bluetooth LE near field localization system.

A Dream Journey In Taipei   Taiwan | 2013

- The first exhibition highly integrates with more than 500 playable android smartphones with Augmented Reality and Wi-Fi interior localization system
- Won 2 2014 American Alliance of Museum MUSE Silver Awards

Publications/Posters

- **Lin, Y.J.**, and O'Modhrain, S., 2016, Reducing Visual Dependency with Surface Haptic Touchscreens. (EuroHaptics 2016)
- Huang, C.C., **Lin, Y.J**., Zeng, X., Newman, M. and O'Modhrain, S., 2015, Olegoru: A Soundscape Composition Tool to Enhance Imaginative Storytelling with Tangible Objects. (TEI 2015)

Professional Activities

Co-Founder   Ann Arbor | present

UMSI Doiiit Maker Space

Teaching Assistant   Ann Arbor | present

Design of Complex Websites (Graduate Level)