

# Kai-Chieh (Kenneth) Huang

UX Engineer / Developer

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## SKILLS

### Physical Prototyping

Arduino	3D Printing
Solidworks	FPGA
Circuits	Mechanical

### Web Development

JavaScript	HTML5
CSS3	

### Tools & App Development

C++	Java
Unity	React Native
OpenCV	Google Apps Script
VBA	Perl
Tcl	

### UX Design & Research

Adobe XD	Iterative Design
Wireframe	Storyboarding
Figma	Affinity Mapping
Prototyping	Journey Maps
Personas	Usability Testing
Interviews	Cognitive Walkthrough
Surveys	UX Benchmarking

## EDUCATION

### M.S., HCI (Interactive Computing)

Georgia Tech, May'21

### B.S., Electrical Engineering

Nation Taiwan University, Jun'15

## PUBLICATION

### User Experience Enhancing Filter for a Webcam Based Human Computer Interaction

GCCE'17 Nagoya, Japan: IEEE

## WORK EXPERIENCE

### HCI Research Assistant

National Taiwan University, Oct'18 – Jul'19

Created a balance-shifting stylus with **Arduino** by integrating sensors and actuators, overcame Gimbal lock and motor control issues, developed **novel games** using the balance-shifting capability of the stylus with **Unity**.

### IDE Developer Intern

MediaTek Inc., Jul'14 – Aug'14

Enhanced IC design IDE display clarity and aesthetics, automated IC design flow by parsing files and commands, manipulating files, and bridging various IC design tools.

## PROJECTS

### HandI – Facilitating Contact Exchange

App Developer, UX Designer & Researcher, Project Leader

Designed a cross-platform contact exchange streamlining **mobile app** using **affinity maps** and **storyboards**, developed app **UI** and functions with **React Native**, created a project **website**, **bridged designers and developers** during product development.

### Redesigning Carvel's Online Cake Ordering

UX Designer & Researcher

Identified usability issues on Carvel's cake ordering **website**, designed iterations of **prototypes** based on **interviews**, **cognitive walkthroughs**, and **usability tests** to enhance the navigation, information architecture, and appearance of the website.

## ACHIEVEMENTS

**1<sup>st</sup> Place**, Convergence Innovation Contest (HandI Project)  
1<sup>st</sup> in Georgia Tech, mobile app, Nov'19

**Semi-finalist**, Innovate Asia FPGA and SoC Design Contest  
Top 30 in Taiwan, FPGA product, Jan'15

### Gold Medal, NTU Presentation Contest

Top 3/115 in Taiwan, oral presentation with visual aids, Dec'14