

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 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 **mobile app** that streamlines contact exchange 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

1st Place, Convergence Innovation Contest (HandI Project)
1st in Georgia Tech, Nov'19

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

Gold Medal, NTU Presentation Contest
Top 3/115 in Taiwan, Dec'14