

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**, designed and built a project **website**, bridged designers and developers.

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

Presidential Award, National Taiwan University

Top 5% semester GPA, Oct'15

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