

# CHUCK C. CHAO

## SUMMARY

A motivated interaction designer interested in UX research and passionate about creating a seamless and enjoyable experience of the digital products. Because of his interdisciplinary and research backgrounds, he excels to discover, extrapolate, and address needs by conducting analytical studies with both qualitative and quantitative approaches.

## SKILLS

UX/UI	Research	Competitive Analysis, User Research, Persona Building, Stakeholder Interviews
	Design & Testing	Sketching, Wireframing, Low/Hi-Fi Prototyping, Usability Testing, Surveying
Design & Dev. Tools	Programming	HTML5, CSS3, JavaScript, C#, Git, GitHub, Visual Studio, Firebase, AWS
	Software	Sketch, Adobe CS6, GIMP, CorelDRAW, AutoCAD, SketchUp
	Hardware	LASER Cutting, 3D Printing, Machining, Microcontroller Board

## PROFESSIONAL EXPERIENCE

### **Freelance UX and Front-end Designer** – Jan 2017 to present

- *HannDek Interior Design* – Developed applications for design visualization and enhanced communications among stakeholders by integrating UX research, front-end technologies, building information modeling (BIM), and virtual reality (VR)
- *Credlin Chemicals* – Oversaw website redesign by implementing front-end technologies, UX research and testing, and SEO (related portfolio project: [Credlin Website Redesign with UX Studies](#))

### **Sustainable Design Consultant and BIM Coordinator** – Feb 2016 to Dec 2016

*Taiwan BIM Technology, Taipei, Taiwan*

- Expanded company service by initiating sustainable design consultancies and lectures to external project stakeholders
- Led the construction BIM establishment of the Luzhou District Ren'ai Parking Structure & Multipurpose Building project during Feb to Dec in 2016

### **Product Designer** – Jan 2015 to Jan 2016

*Science Education Center, National Central University, Taoyuan, Taiwan*

- Developed educational apparatuses and teaching plans for college STEM courses
- Leveraged 3D printing, LASER cutting, and other tooling machines to build prototype, and performed user testing to validate design decisions during the demonstrations

### **Associate Researcher and Project Quality Manager** – Sept 2013 to Nov 2014

*Industrial Technology Research Institute, Taipei, Taiwan*

- Conducted policy research and promotional activities on behalf of Bureau of Energy, to increase domestic utilization of renewable energy and energy-saving products
- Created and lectured the 2014 Nationwide Low-carbon Energy Education Program
- Ensured Bureau-of-Energy-funded USD\$1.5M project deliverables conform to the ISO9001 standards as a project quality manager from Feb to Nov 2014

**Technical Analyst Intern** – Apr 2011 to Nov 2012

*OnGreen Inc., Los Angeles, CA*

- Performed due diligence on clients' technologies, assisted in creating technical write-ups, delivered analytical reports to the management executives, and in-house managed technical translations

**CREDENTIALS**

Microsoft – Xamarin-certified Mobile Developer  
U.S. Green Building Counsel – LEED AP in Building Design & Construction  
Autodesk – Revit 2015 Certified Professional  
Autodesk – Building Performance Analysis Certificate

**EDUCATION**

**University of Southern California**, Los Angeles, CA, U.S.A.  
Master of Science in Environmental Engineering, Dec 2011

**National Central University**, Taoyuan, Taiwan  
Bachelor of Science in Physics, June 2008

**LANGUAGE**

Native speaker in Mandarin  
Limited working proficiency in Taiwanese Hokkien

**HONORS**

Served as Private Basic in Compulsory Replacement Military Service of Taiwan  
Received University Outstanding Award of Campus Service in 2004

**PUBLICATIONS**

- Investigations of Increasing Low-carbon Penetration with Smart Energy Service Models: Penghu as an Example, *2014 Conference on IT & Applications in Outlying Islands*
- Infra-red Study of UV/EUV Photon Irradiation of H<sub>2</sub>O+N<sub>2</sub>+CH<sub>4</sub> Ice Mixtures, *2008 Annual Conference of Physics Society in Taiwan*

**REFERENCES**

Available upon request