

DING XU

UX Engineer & Creative Technologist

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412.330.8230

EDUCATION

Carnegie Mellon University

Pittsburgh, PA / May 2015

Master of Tangible Interaction Design

Beihang University

Beijing, China / Jul 2013

MS Electrical and Computer Engineering

East China University of Sci & Tech

Shanghai, China / Jul 2010

BS Electrical and Computer Engineering

SKILLS

Design

Interaction Design

User Experience Design

Service Design

Prototyping

Programming

Kotlin / C++ / Java / Python

Javascript / HTML / CSS

Software

Android Studio / Qt / Processing / Unity

Node.js / Onshape / Solidworks / Rhino

Adobe CC (Ai, Ps, Id, Pr, Ae)

Sketch / Framer / Keynote

Hardware

Arduino / Raspberry Pi

Sensors / Actuators

Digital fabrication

Machine shops

EXPERIENCE

Google, ATAP / UX Engineer

Mountain View, CA / May 2019 - Present

Work in a multidisciplinary group pushing the boundaries of early stage concepts on multi-modality interactions. Wear various hats to design and build prototypes with skills across hardware, software and fabrication, to influence future products.

Google, Android Things / UX Engineer

Mountain View, CA / Sep 2017 - May 2019

Built hybrid prototypes to engage Android Things maker community, as well as leading UX prototyping on user research and concepts validation. Demos presented in Google I/O, maker faire, press, and a permanent installation at one Google building.

Mercedes-Benz R&D North America / Creative Technologist

Sunnyvale, CA / Oct 2015 - Sep 2017

Developed concepts and prototypes on vehicle interior experience including beyond-screen interactions, maps, voice and etc. Prototypes showed to the Daimler senior leadership, CES, as well as to help inform showcars and future products.

Lenovo Research / Research Engineer

Beijing, China / Oct 2012 - Apr 2013

Explored early concepts and prototyping on tangible user interface and smart materials. Worked collaboratively with researchers on an early stage wearable demo.

PUBLICATIONS

Method And Device For Interacting With An Interior Surface Located In The Interior Of A Vehicle

Michelle Cheung, Ding Xu, Verena Rentschler, Julian Michel, Marco Plewe / 2017

MagPad: A Near Surface Augmented Reading System For Physical Paper And Smartphone Coupling

Ding Xu, Ali Momeni, Eric Brockmeyer / UIST'15, Charlotte, NC / Oct 2015

PneuHaptic: Delivering Haptic Cues With A Pneumatic Armband

Liang He, Cheng Xu, Ding Xu, Ryan Brill / ISWC'15, Osaka, Japan / Sep 2015