

Cheng Xu

Creative Technologist
& Interaction Designer

CONTACT

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EDUCATION

AUG. 2009 - MAY. 2011 | PITTSBURGH, PA

Carnegie Mellon University, Master of Tangible Interaction Design

AUG. 2007 - DEC. 2008 | NEW HAVEN, CT

Yale University, Master of Science in Mechanical Engineering

AUG. 2003 - JUL. 2007 | BEIJING, CHINA

Tsinghua University, Bachelor of Science in Mechanical Engineering

EXPERIENCE

JUN. 2015 - PRESENT | SAN FRANCISCO, CA

Capital One Financial, Concept Prototyper

- Conceptualize and execute interactive experiences on PC, mobile, and physical objects.
- Solicit user feedback with prototypes. Prepare presentations for VPs.

OCT. 2013 - MAR. 2015 | SUNNYVALE, CA

Yahoo Labs, Research Engineer

- Modelled and fabricated mechatronic prototypes to explore the future of wearables. Programmed BLE devices to interact with Android phones.
- Established and managed the hardware/circuit prototyping shop.

OCT. 2011 - SEP. 2013 | CHICAGO, IL

Motorola Mobility Inc., Senior Interaction Designer

- Delivered UX design for shipping products: MOTOACTV, Hint, and Stream.
- Built and tested prototypes to develop future products, including Moto 360.

JUN. 2010 - MAY. 2011 | PITTSBURGH, PA

Disney Research, Imagineer Intern

- Initiated research on tactile interface for visually impaired people. Built and evaluated prototypes. Published results on psychophysical studies.

SKILLS

Hardware Circuit board, digital fabrication, machine shop, hand tools

Code Processing, Arduino, Java, HTML/CSS/JavaScript, C

Applications Adobe Creative Suite, CAD/CAM, Eagle

PUBLICATIONS

Corona: Positioning Adjacent Devices, UIST, Charlotte, Nov. 2015

PneuHaptic Armband, ISWC, Osaka, Sep. 2015

Shimmering Smartwatches, TEI, Stanford, Jan. 2015

Tactile Display for the Visually Impaired Using TeslaTouch, CHI, Canada, May 2011

Interactive Fabrication, TEI, Portugal, Jan. 2011

End-user Design and Fabrication of Interactive Paper Devices, TEI, MIT, Jan. 2010

WORKSHOPS & EXHIBITIONS

Knappa Tutu, Shenzhen Cre8 Summit, May 2015

Piccolo the tiny CNC-bot Workshop, TEI Barcelona, Feb. 2012

SpeakerWire, Maker Carnival Beijing Apr. 2012, Interaction I/O/I Barcelona Jun. 2011

Hivebots Workshop on Generative Design, Carnegie Science Center, May - Aug. 2009

VOLUNTEERING

Exhibition development, Exploratorium, 2015

Soldering class, Noisebridge Hackerspace, 2014