

## Education

### Dartmouth College

PhD of Science - Computer Science

XDiscovery lab. Advisor: Xing-Dong Yang

Hanover, NH, USA

Sept. 2018 - Now

### National Taiwan University

Master of Science - Computer Science and Engineering

Mobile & HCI lab. Advisor: Mike Y. Chen

Taipei, Taiwan

Sept. 2015 - Sept. 2017

### National Taipei University of Technology

Bachelor of Science - Computer Science and Engineering

Best undergraduate research project award.

Taipei, Taiwan

Sept. 2011 - Sept. 2015

## Publications

### [C14] Fabriccio: Touchless Gestural Input on Interactive Fabrics.

Proceedings of the 38th annual ACM conference on human factors in computing systems. (CHI'20)

Te-Yen Wu, Shutong Qi, Junchi Chen, MuJie Shang, Jun Gong, Teddy Seyed, Xing-Dong Yang

### [C13] TangibleCircuits: An Interactive 3D Printed Circuit Education Tool for People with Visual Impairments.

Proceedings of the 38th annual ACM conference on human factors in computing systems. (CHI'20)

Josh Urban Davis, Te-Yen Wu, Bo Shi, Hanyi Lu, Athina Panotopoulou, Emily Whiting, Xing-Dong Yang

### [C12] Zippro: The Design and Implementation of An Interactive Zipper.

Proceedings of the 38th annual ACM conference on human factors in computing systems. (CHI'20)

Pin-Sung Ku, Jun Gong, Te-Yen Wu, Yixin Wei, Yiwen Tang, Barrett Ens, Xing-Dong Yang

### [C11] ThreadSense: Locating Touch on an Extremely Thin Interactive Thread.

Proceedings of the 38th annual ACM conference on human factors in computing systems. (CHI'20)

Pin-Sung Ku, Qijia Shao, Te-Yen Wu, Jun Gong, Ziyan Zhu, Xia Zhou, Xing-Dong Yang

### [C10] BiTipText: Bimanual Eyes-Free Text Entry on a Fingertip Keyboard

Proceedings of the 38th annual ACM conference on human factors in computing systems. (CHI'20)

Zheer Xu, Weihao Chen, Dongyang Zhao, Jiehui Luo, Te-Yen Wu, Jun Gong, Sicheng Yin, Jialun Zhai, Xing-Dong Yang

### [C9] Proxino: Enabling Prototyping of Virtual Circuits With Physical Proxies.

Proceedings of the 32th Annual ACM Symposium on User Interface Software and Technology. (UIST'19)

Te-Yen Wu, Jun Gong, Teddy Seyed, Xing-Dong Yang

### [C8] TipText, Eyes-Free Text Entry on a Fingertip Keyboard.

Proceedings of the 32th Annual ACM Symposium on User Interface Software and Technology. (UIST'19 Best Paper Award)

Zheer Xu, Pui Chung Wong, Jun Gong, Te-Yen Wu, Aditya Shekhar Nittala, Xiaojun Bi, Jürgen Steimle, Hongbo Fu, Kening Zhu, Xing-Dong Yang

### [C7] ARPilot: 6DOF Direct-Manipulation Interface for Drone Videography using Augmented Reality on Mobile Devices.

Proceedings of the 20th International Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI'18)

Yu-An Chen, Te-Yen Wu, Tim Chang, Jun You Liu, Yuan-Chang Shieh, Leon Yulun Hsu, Ming-Wei Hsu, Paul Taele, Neng-Hao Yu, Mike Y. Chen

### [C6] ActiveErgo: Automatic and Personalized Ergonomics using Self-actuating Furniture

Proceedings of the 36th annual ACM conference on human factors in computing systems (CHI '18)

Yu-Chian Wu, Te-Yen Wu, Yu-Chih Lin, Pin-sung Ku, Paul Taele, Po-En Lai, Bryan Wang, Mike Y. Chen

### [C5] SpeechBubbles: Enhancing the Captioning Experience for Users with Hearing-impairment in Group Conversations.

Proceedings of the 36th annual ACM conference on human factors in computing systems (CHI '18)

Ming-Mei Hsu, Yi-Hao Peng, Ting-Tu Lin, Leon Hsu, Po-En Lai, Paul Taele, Te-Yen Wu, Hsien-Hui Tang, Mike Y. Chen

## **[C4] CircuitSense: Automatic Sensing of Physical Circuits and Generation of Virtual Circuits to Support Software Tools.**

Proceedings of the 32th Annual ACM Symposium on User Interface Software and Technology. (UIST'19)

**Te-Yen Wu**, Bryan Wang, Jiun-Yu Lee, Hao-Ping Shen, Yu-Chian Wu, Yu-An Chen, Pin-Sung Ku, Ming-Wei Hsu, Yu-Chih Lin, Mike Y. Chen

## **[C3] CurrentViz: Sensing and Visualizing Electric Current of Breadboarded Circuits.**

Proceedings of the 30th Annual ACM Symposium on User Interface Software and Technology. (UIST'17)

**Te-Yen Wu**, Hao-Ping Shen, Yu-Chian Wu, Yu-An Chen, Pin-Sung Ku, Ming-Wei Hsu, Jun-You Liu, Yu-Chih Lin, Mike Y. Chen.

## **[C2] CircuitStack: Supporting Rapid Prototyping and Evolution of Electronic Circuits.**

Proceedings of the 29th Annual ACM Symposium on User Interface Software and Technology. (UIST'16)

Chiuan Wang, Hsuan-Ming Yeh, Bryan Wang, **Te-Yen Wu**, Hsin-Ruey Tsai, Rong-Hao Liang, Yi-Ping Hung, Mike Y. Chen.

## **[C1] Giggler: An Intuitive, Real-Time Integrated Wireless In-Ear Monitoring and Personal Mixing System using Mobile Devices.**

Proceedings of the 23rd ACM international conference on Multimedia (MM'15)

Andries Valstar, Min-Chieh Hsiu, **Te-Yen Wu**, Mike Y. Chen

## **Posters & Demos**

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### **[VRST 2017 Poster] EyeExpression: Exploring The Use of Eye Expressions As Hands-free Input for Virtual and Augmented reality devices**

Pin-Sung Ku, **Te-Yen Wu**, and Mike Y. Chen.

### **[VRST 2017 Poster] PeriText+: Utilizing Peripheral Vision for Reading Text on Augmented Reality Smart Glasses**

Yu-Chih Lin, Jun-You Liu, Yu-Chian Wu, Pin-Sung Ku, Katherine Chen, **Te-Yen Wu**, Yu-An Chen, and Mike Y. Chen.

### **[UIST 2017 Demo] CurrentViz: Sensing and Visualizing Electric Current of Breadboarded Circuits**

**Te-Yen Wu**, Hao-Ping Shen, Yu-Chian Wu, Yu-An Chen, Pin-Sung Ku, Ming-Wei Hsu, Jun-You Liu, Yu-Chih Lin, and Mike Y. Chen.

### **[CHI 2017 Poster] SegTouch: Enhancing Touch Input While Providing Touch Gestures on Screens Using**

**Thumb-To-Index-Finger Gestures** Hsin-Ruey Tsai, **Te-Yen Wu**, Da-Yuan Huang, Min-Chieh Hsiu, Jui-Chun Hsiao, Yi-Ping Hung, Mike Y. Chen, and Bing-Yu Chen

### **[CHI 2017 Student Game Competition] Party Animals: Creating Immersive Gaming Experience for Physically Co-present VR and Non-VR Players**

Ming-Wei Hsu, **Te-Yen Wu**, Yu-Chian Wu, Yu-An Chen, Yu-Chih Lin, and Pin-Sung Ku.

### **[UIST 2016 Demo] CircuitStack: Supporting Rapid Prototyping and Evolution of Electronic Circuits**

Chiuan Wang, Hsuan-Ming Yeh, Bryan Wang, **Te-Yen Wu**, Hsin-Ruey Tsai, Rong-Hao Liang, Yi-Ping Hung, and Mike Y. Chen.

## **Employment Experience**

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### **Research Assistant**

Mobile & HCI Lab, at National Taiwan University (Prof. Mike Chen)

Taipei, Taiwan

Sept. 2017 - Present

- Mentoring junior graduate students.

### **Android App Intern**

Yahoo! Inc.

Taipei, Taiwan

July. 2017 - Aug. 2017

- Developed Android media applications.
- Best internship project finalist.

### **Software Engineering Intern**

Bearsoft Inc.

Taipei, Taiwan

Feb. 2015 - Jun. 2015

- Developed an instant messaging application for iOS.
- Built backend services for account and file management.

## **Conference Chairing**

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2020 **Program Committee Associate Chair (AC)**, Late Breaking Work