

FUTIAN ZHANG

Hangzhou, China
chzft333@gmail.com

EDUCATION

Zhejiang University
Undergraduate
College of Computer Science and Technology
He Zhijun Honors Class

Sept 2014 - Present
Overall GPA: 3.67/4

AWARDS AND HONORS

Best Paper Honourable Mention ACM CHI 2019(Top 5%) 2019

RESEARCH INTEREST

VR/AR Interaction, Wearable and Mobile Interaction, Ubiquitous Computing, Large Display Interaction, Pen Interaction, Interaction Techniques;

TECHNICAL STRENGTHS

Computer Languages C/C++, C#, Java, JavaScript, L^AT_EX, Python, R, SQL
Software & Tools Amazon Mechanical Turk, Android, Django, HTML, JsPsych, MongoDB, MySQL, Node.js, PostgreSQL, PyQt, Qt, React, Unity 3d, Vuforia, p5.js, psiTurk

EXPERIENCE

University of Waterloo July 2018 - Sept 2018
Undergraduate Research

- Advised by Prof. Daniel Vogel and Dr. Quentin Roy.
- Finished a paper about human preference under different accuracy of AI algorithm and different controllability of a system with a crowdsourced online experiment.
- Contributions:
 1. Formalize the concepts of controllability of an automated task
 2. Provide novel insights on the relationship of automation accuracy and controllability on usage and satisfaction.
- Take charge of designing the experiment and implementing the experiment platform.
- Accepted by CHI 2019.

Hanzhou Boleam Tech Sept 2017 - Mar 2018 2018
Intern

- Backend Engineer.
- Developed Information Security product with Django.

Tsinghua University July 2017 - Sept 2017
Undergraduate Research

- Advised by Prof. Chun Yu and Dr. Xin Yi.
- Finished a paper about typing error correction on physical keyboard using classified different error patterns and probabilistic algorithm

- Contributions:
 1. Classify the kinds of keyboards typing error
 2. Propose a probabilistic model that generalized the classical statistical decoding algorithm by explicitly modelling the probability of different kind of errors
 3. Provide two UI with the same correction algorithm to evaluate its performance in real typing scenario
- Take charge of designing the experiment, implementing the experiment platform and analyzing data.
- Submitted to CHI 2018.

PUBLICATIONS

Quentin Roy, **Futian Zhang**, Daniel Vogel. 2019. Automation Accuracy Is Good, but High Controllability May Be Better. CHI 2019. **Best Paper Honorable Mention (Top 5%)**

SELECTED PROJECT

CardBoard VR Navigation System

A mobile VR navigation system using the back camera of the smartphone and a reflector to detect the gait.

- Built with Unity 3d and OpenCV for Unity.

ADDITIONAL INFORMATION

President of Google Camp at ZJU.

Street Photographer with creativity. [Instagram](#)