

Zihan Wu

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zihanwu.com

Tsinghua University

EDUCATION

BE, Computer Science and Technology, Tsinghua University 09/2016 – 07/2020 (Expected)

GPA: 3.65/4.0

BS, Psychology (Second Major), Tsinghua University 09/2017 – 07/2020 (Expected)

Graduate research(ongoing): Evaluating Cognitive Load with Galvanic Skin Response Asymmetry

GPA: 3.72/4.0

PUBLICATION

- April Y. Wang, **Zihan Wu**, Christopher Brooks, Steve Oney. (2020) Callisto: Capturing the "Why" by Connecting Conversations with Computational Narratives. *ACM Conference on Human Factors in Computing Systems (CHI'20)*. **Currently Under Review**
- Yiqin Lu, Xin Yi, Ziyin Cai, **Zihan Wu**, Yuntao Wang, Yuanchun Shi. (2020) GazeDock: Gaze-based Menu Selection Around Field of View in Virtual Reality. *ACM Conference on Human Factors in Computing Systems (CHI'20)*. **Currently Under Review**

RESEARCH EXPERIENCE AND INTERNSHIP

Research Intern, School of Information, University of Michigan, Ann Arbor 07/2019 – 09/2019

- The team extended Jupyter Notebook to enhance collaboration in data scientists
- Proposed features such as visualizing the diff of image outputs in both pixel-by-pixel and onion-skin ways, implemented features, helped designed user studies and conducted user studies independently
- Created a demo video for the project, and the related paper has been **submitted to CHI2020**

Research Assistant, Group of Pervasive Human Computer Interaction, Tsinghua University 02/2019 – 09/2019

- The team designed a VR-based peripheral menu which can be selected by eyes only
- Designed and implemented studies to gather robust user data from common usage in four selected scenarios of different kinds
- The related paper has been **submitted to CHI2020**

Engineering Practicum Intern, Google. LLC 07/2018 – 09/2018

- Worked on a Feature for a Web-Based Infrastructure Application
- Designed and implemented the user interface and algorithms in client-side website and server-side logic for the features.
- Learned JavaScript and Java, as well as the front-end framework during the internship and wrote code in short period.

SELECTED COURSE PROJECTS

Service Oriented Software Design and Development 05/2019

MealsTHU – Meeting schedule and meal mate random matching application in Tsinghua

- Designed the objectives, scheduled the milestones for the project
- Developed the backend service independently with Flask
- The project received investment from Prof. Jie Tang's lab, and is still under further development

Software Engineering 12/2018

ML GridEngine – GPU and CPU resources and task management over Mesos(Team project)

- Designed and Implemented User Interface with Vue.js independently
- Best UI and backend implementation among 5 groups doing the same project

Human Computer Interaction Theory and Technology 11/2018

Air Typing Software with Leap Motion(Team project)

- Designed and implemented three gestures for deleting single word/letter, selecting words and switching case mode

SELECTED EXTRACURRICULAR ACTIVITIES

Leader of Tsinghua University Student A Cappella Club(more than 100 members) 06/2019 - present

Stage Director of the Music Night *AcaMazing* and *Aca-Venture* of Student A Cappella club 06/2018, 06/2019

Volunteer Teacher at Huaqing Middle School in Shanxi Province 06/2017

TECHNICAL STRENGTHS

Programming languages: C/C++, Java, Python, JavaScript, TypeScript, Verilog, Assembly Language, C#.

Frameworks and tools: Unity, Android, Soy, Vue.js, Qt, Latex, Flask, Django, TensorFlow

Languages: native in Chinese; fluent in English (TOEFL 111(Speaking 25), GRE Verbal 164, Quantitative 170, AW 4.0)