

Li LIU

Tel:831-295-9827 E-mail: lliu112@ucsc.edu

Education:

○ **University of California, Santa Cruz** CA, USA

Ph.D. student of Computer Science and Engineering Sept.2022 - present

○ **Zhejiang University** Hangzhou, China

Master of Engineering (Control Science and Engineering) Sept.2019 - Mar.2022

- Research projects: Classifying herbal medicine with electronic nose and data analysis;
Recognizing taste stimuli with data collected from facial muscles;
COVID-19 diagnosis and outcome predictions based on multimodal data.
- Publications:
 - *L. Liu, et al.* " CPSC: Conformal prediction with shrunken centroids for efficient prediction reliability quantification and data augmentation, a case in alternative herbal medicine classification with electronic nose". *IEEE Transactions on Instrumentation and Measurement* (2022).
—Developed a novel classifier that works more efficiently with noised and high-dimensional data.
 - *L. Liu, et al.* "Boost AI Power: Data Augmentation Strategies With Unlabeled Data and Conformal Prediction, a Case in Alternative Herbal Medicine Discrimination With Electronic Nose." *IEEE Sensors Journal* (2021).
—Developed novel data augmentation strategies to overcome the dataset inadequacy issues.
 - *H. Wang, D. Lu, L. Liu, et al.* "Quantitatively Recognizing Stimuli Intensity of Primary Taste Based on Surface Electromyography." *Sensors* 21.21 (2021).
—Measured the intensity of taste stimuli with data sensed on facial muscles.
- Relevant Coursework:
Mobile Internet Software Engineering, Computational Methods in Science and Engineering.
- Honors and Awards:
 - Excellent Graduate of Zhejiang Province, 2022;
 - China National Scholarship for graduate students, 2021;

○ **Zhejiang University**

Bachelor of Landscape Gardening

Hangzhou, China

Sept.2015 - Mar.2019

- Research projects: Interactive pavilion and garden;
- Relevant Coursework: History and Art of Gardening, Design Thinking for Innovation.
- Honors and Awards:
 - Excellent Graduate of Zhejiang University, 2019;
 - Dean Scholarship of Chu Kochen Honors College, 2018;
 - China National Scholarship, 2016;

○ **Chengdu No.7 High School**

Senior High school student

Chengdu, China

Sept.2012 - Jun.2015

- Honors and Awards: Principal scholarship, 2014;

○ **Jinxi Junior High School**

Junior High school student

Chengdu, China

Sept.2009 - Jun.2012

Work Experience:

○ User Interface Design Intern at Rotunbot Co., Lt.

Sept..2019 - Dec.2021

- Main responsibilities: Visual design, Product advertising.
Designed the user interface and promoted the visual effects.

Research Interests:

Data Analysis for Healthcare, Human-Computer Interaction, Software Development.

Skills:

Art and Design: painting, photography, animation filming, visual design for advertising.

Computer Skills: Python for data analysis, Adobe Photoshop, Microsoft PowerPoint.

Language: English (TOEFL 111).

Sports: volleyball, swimming.