

# Xiaoyang Xu

✉ xiaoyangxu@cs.ucsb.edu | 🏠 xyxu2033.github.io | 🎓 Xiaoyang Xu

## Education

### Department of Computer Science, University of California, Santa Barbara

PH.D. STUDENT IN COMPUTER SCIENCE

[Santa Barbara, CA, USA](#)

Sep. 2024 - CURRENT

### School of the Gifted Young, University of Science and Technology of China

B.ENG. (HONORS) IN COMPUTER SCIENCE

[Hefei, China](#)

Sep. 2020 - Jun. 2024

## Research Experience

### Department of Informatics, University of Bergen

GUEST RESEARCHER (DR. FEDOR V. FOMIN)

[Bergen, Norway](#)

Feb 2026 - Mar 2026

### Toyota Technological Institute at Chicago

NON-DEGREE VISITING STUDENT (DR. SANTHOSHINI VELUSAMY)

[Chicago, IL, USA](#)

Jun 2025 - Sep 2025

### School of Engineering and Applied Science, Harvard University

VISITING UNDERGRADUATE RESEARCH INTERN (DR. HENG YANG)

[Allston, MA, USA](#)

Jul. 2023 - Jan. 2024

### School of Computer Science, University of Science and Technology of China

UNDERGRADUATE RESEARCH PROGRAM (DR. HU DING)

[Hefei, China](#)

Aug. 2021 - Jul. 2023

## Services

Sub-reviewer IWOCA2026, ITCS2026, ESA2025

Teaching Assistant UCSB CMPSC132: Algorithmic Engineering **Fall 2025**

UCSB CMPSC130B: Data Structures and Algorithms II **Spring 2025, Winter 2025**

UCSB CMPSC130A: Data Structures and Algorithms I **Fall 2024, Spring 2026**

USTC 011186: Algorithm for Big Data **Spring 2023**

## Publication

### Learning-Augmented Streaming Algorithms for Approximating Boolean Max-CSPs

Y Dong, P Peng, A Vakilian, S Velusamy, [X Xu](#)

*In Submission*

### Parameterized approximation of rectangle stabbing

H Chu, A E S, D Lokshtanov, A Mundhra, T Schibler, [X Xu](#), J Xue

*In Submission*

[\[PDF\]](#)

### Fast and Certifiable Trajectory Optimization

S Kang, [X Xu](#), J Sarva, L Liang, H Yang

*International Workshop on Algorithmic Foundations of Robotics (WAFR), 2024*

[\[PDF\]](#)

### A Novel Skip Orthogonal List for Dynamic Optimal Transport Problem

[X Xu](#), H Ding

*AAAI Conference on Artificial Intelligence (AAAI), 2024*

[\[PDF\]](#)

## Selected Honors & Awards

2024 **Gold Award**, International Collegiate Programming Contest China National Invitational

[Kunming, China](#)

2024 **GUO Moruo Scholarship**, The highest honor at University of Science and Technology of China

[Hefei, China](#)

2023 **China National Scholarship**, Awarded by Ministry of Education

[Hefei, China](#)

2023 **Selected Participant**, 10th Heidelberg Laureate Forum

[Heidelberg, Germany](#)

## Extracurricular Activity

### UC Santa Barbara Competitive Programming Teams

CO-COACH

[Santa Barbara, CA, USA](#)

Nov 2024 - CURRENT