

Huzhiyuan Long

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Citizenship: China

Research interests

Computer graphics, rendering

Education

2020 – present **Tongji University** – Shanghai
BA in Software Engineering
Mentors: Professors Jinyuan Jia. *GPA: 4.45/5(89.53/100).*

Honors and scholarships

2022 Undergraduate School-level Scholarship Third Prize (Tongji University)
2021 Undergraduate School-level Scholarship Third Prize (Tongji University)

Publications

2023 **SRSSIS: Super-Resolution Screen Space Irradiance Sampling for Lightweight Collaborative Web3D Rendering Architecture**
Huzhiyuan Long, Yufan Yang, Chang Liu, Jinyuan Jia.
Lecture Notes in Computer Science (CAD/graphics 2023).

Research experience

12 2021 – **Smart3D Media Lab**
Present Mentors: Professor Jinyuan Jia (Tongji University).

- 1) Web3D huge model transmission based on visibility precomputation.
- 2) Collaborative rendering, a rendering architecture that distributes real-time rendering tasks to both client and server simultaneously.

Awards

- 2022 China Collegiate Programming Contest - Shanghai Collegiate Programming Contest
Bronze Medal
- 2022 Group Programming Ladder Tournament Individual Third Prize
- 2021 “Dream-it” CUP Tongji University Programming Contest Third Place Award
- 2021 Tongji University Mathematical Modeling Competition Third Prize

Technical skills

Programming languages

Proficient in: modern C++

Familiar with: JavaScript, Python

Languages

Chinese, English, Japanese(JLPT N2)