

# GAO Weihe

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## EDUCATION

**Tsinghua University (CN, ongoing)** - Computer Science and Technology (MSc) 2021.09 - 2024.06

Current research:

- Blockchain system architecture and RDMA-accelerated blockchain datacenter
- HPC networking and storage

**Lancaster University (UK)** - Computer Science (BSc) 2018.09 - 2021.06

- Interdisciplinary Contest in Modeling 2019 (ICM 2019), Honorable Mention (First Author)

**Beijing Jiaotong University (CN)** - Computer Science and Technology (BEng) 2017.09 - 2021.06

## INTERNSHIPS

**Standardization Administration Committee/TC426 SC1 of the P. R. China** - @ Secretariat 2020.06 - 2020.08

- Combing IEC and ISO standardizing documentation; Smart Home/ Office Building Systems

## PREVIOUS RESEARCH

**Open-ended UUT Information Exchange and Decision Supportive System based on the Internet** 2018.10 - 2020.01

- Documentation lifecycle management
- Network topological design; Hardware and software implementations

**Key Technologies and Application Platform on the Internet Plus Sponge City Microcirculation Model** 2018.10 - 2020.12

- Communication protocols; Hardware and software implementations

**Geologic Hazards Visualization and Dynamic Presentation Based on WebGL Technologies** 2019.06 - 2020.12

- 3D modeling and visualization; Web applications development

**Integrated Applications on Environmental-friendly Fabricated Buildings Informatization** 2019.06 - 2020.12

- System integration; Middleware development; Building information modeling (BIM)

## ACHIEVEMENTS

**[CN Patent] Communication gateway circuit and device** - ZL 2019 2 1587430.2 (CN 210225447 U)

**[CN Patent] Signal Sampling and Output Circuit and Device** - ZL 2019 2 1598628.0 (CN 210721074 U)

**[CN Patent] Beam Position Detector Based on Image Analysis** - ZL 2019 2 0427925.2 (CN 209432081 U)

**[CN Patent] Extensible Folding Seat Designed for Train Carriage Aisles** - ZL 2016 2 0794058.2

**[Conference Paper] Image-based Deflection Measurement and Error Analysis**

- Image processing; civil engineering

**[Conference Paper] Modelling and Implementation of Distributed Rain Water Storage and Utilization**

- Math modeling; Software and hardware implementations

**[Journal Article] Analysis and Research on Cooperative Education and Curricula Construction**

- Data processing and analysis

## LEADERSHIP EXPERIENCE

**SEAL Club** - Founder, President 2019.04 - 2020.09

- International culture exchange on the Belt and Road; Collaboration with enterprises on scientific research

**Student Union** - Deputy Director @ Public Relations Department 2018.10 - 2019.11