

Yao MING

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EDUCATION

Ph.D. Candidate | Department of Computer Science and Engineering, **Hong Kong University of Science and Technology**, Hong Kong 2016.08 – Present

- Supervisor: [Prof. Huamin Qu](#)
- Research Interests: Information Visualization and Human-Computer Interaction.

Bachelor of Engineering | Department of Civil Engineering, **Tsinghua University**, Beijing, China 2012.08 – 2016.07

- Ranking: **1st of 93 students**; Overall GPA: **93.2/100**.
- Selected Courses: Calculus, Linear Algebra, Probability and Statistics, Structure Mechanics, Data Structure and Algorithms, Software Engineering, Database, Computer Graphics.

HONORS AND AWARDS

- **Hong Kong PhD Fellowship (HKPF)** 2016.03
- **Nomination of Tsinghua Top Talent Scholarship** 2015.10
- **National Endeavor Scholarship (Top 2%)** 2015.10
- **Second Prize in the 1st National Geotechnical Engineering Contest** 2015.07
- **Honorable Mention in 2015 MCM/ICM (Mathematical Contest in Modeling)** 2015.04
- **Second Prize in the 20th Tsinghua Structure Design Competition** 2014.10
- **National Scholarship (Top 2%)** 2014.09
- **First class comprehensive scholarship of Tsinghua University** 2013.09

RESEARCH EXPERIENCE

Spatiotemporal big data analytics on facility maintenance data 2015.08 – 2015.09

Advisor: [Prof. Xuesong Liu](#), Dept. of CEE, Carnegie Mellon University

- Designed a system to integrate work order data and building information models (BIM).
- Implemented k-modes algorithms and correlation analysis to reveal pattern of the work orders.

3D mesh decomposition based on saliency detection and solid modeling 2015.03 – 2015.12

Advisor: [Prof. Yong-Jin Liu](#), Dept. of Computer Science, Tsinghua University

- Implemented mesh saliency detection algorithms and improved its efficiency.
- Developed an automated fast mesh decomposition approach based on solid computing.

LEADERSHIP AND ACTIVITIES

Student Union, Department of CEng, THU | Vice President 2013.02 – 2016.02

Structure 21, Department of CEng, THU | Class Monitor 2014.09 – 2015.10

Student Chorus, THU | Bass 2013.01 – 2015.10

SKILLS

- Proficient in: C/C++, Python, and MATLAB.
- Familiar with: Java, JavaScript and Ruby.