TANG Xudong

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Department of Building and Real Estate, Faculty of Construction and Environment, The Hong Kong Polytechnic University, Hung Hom, Hong Kong

EDUCATION

The Hong Kong Polytechnic University   **Hong Kong SAR, China**

Msc, Intelligent Construction   expected Sep 2025

Hainan University   **Haikou, PRC**

Bsc, Mathematics and Applied Mathematics   July 2022

Mathematical Analysis, Mathematical Statistics, Mathematical Model, Python Programming, etc. GPA: 82.75 / 100

Central South University   **Changsha, PRC**

BA, Architecture   July 2022

Architecture Design, Architectural Construction, Architectural Mechanics, etc. GPA: 82.65 / 100

RESEARCH AND TEACHING INTERESTS

Construction Technology, AI in Construction, BIM, Construction Health and Safety, IoT, AR, VR, 3DCP, Computer Simulation, High Performance Building, Building Energy Management, Smart and Sustainable Building Management

RESEARCH PROJECTS

Design: Changsha Culture and Sports Complex   **Changsha, PRC**

Designer   Feb 2020 – June 2020

- Analyzed green and sustainable building technology, and building information modelling (BIM) technology in construction
- Presented a design based on analysis above

Thesis: Sales Strategy Research for EVs   **Haikou, PRC**

Candidate of Huashu National Mathematics Modelling
Competition   Aug 2021

- Data description and analysis, Logistic Regression to do prediction, Decision Tree and Linear Programming to find the major factors and make improvement
- Won the first Prize

WORK EXPERIENCE

Architecture Dep, Changsha Institute of Unban Planning   **Changsha, PRC**

Architect Intern   July 2019 – Sep 2019

- Land research and planning, CAD drawing, made building models and architectural analysis
- Cooperated with team, and participated in the design of residential complexes and community centre

High School Branch, Kehan Off-campus Training   **Haikou, PRC**

Physics Teacher   Oct 2022 – Jan 2024

- Taught physics, designed lessons and tests for high school students

SKILLS

Technology: SPSS, Python, Revit, CAD, Microsoft Office

Language: Mandarin Chinese (Native), English (IELTS 6.5)