# Taokui LI

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## EDUCATION

**2021.09-Present**　　　**City University of Hong Kong**　　　　　　　**Master**

- Department of Architecture and Civil Engineering, Major in Civil Engineering (Expected Graduation Date: October 2021)
- Major Courses: Tran' and Land Plan'(Teacher: Andy Chow), Civil Engineering Studies, Contract Strategy & Admin., Theo, Experimtl & Ap' Geomechns, etc.

**2016.09-2020.07**　　　**Henan University（河南大學)**　　　　　　　**Bachelor**

- School of Architecture and Civil Engineering, Major in Civil Engineering (GPA: 3.42/4.00)
- Major Courses: Probability and Mathematical Statistics, Advanced Mathematics, Linear Algebra, Traffic Planning, Road Traffic Environmental Engineering, etc.

## RESEARCH EXPERIENCE

**2021.07-2021.11**　　　**Engineering decision-making and risk analysis**　　　**Tutor: Paolo Gardoni (UIUC)**

- Got information of Bayes' rule, full probability theorem, Bernoulli distribution, maximum likelihood method, system reliability analysis.
- Involved in writing group Report "Evaluation of Hotel Fire Probability Based on Bayesian Network", made PPTs
- Output： Hotel fire analysis based on Bayesian Networks（To be published in IEEE Conference)

## INTERNSHIP

**2019.07-2019.08**　　　**Rongchuan Construction & Engineering Corporation Limited**　　　**Summer Intern**

- Learn construction surveying, prepare construction log, report construction progress, and quality, etc.
- Coordinate construction issues with relevant construction units on-site under the authority of the Manager of Infrastructure Engineering Department.

## CERTIFICATES AND HONORS

2020.06　　　　　Excellent internship at Henan University

## RESEARCH INTEREST

- Bayesian rule and Markov chain in Civil Engineering
- Artificial Neural Network and Convolutional Neural Network in Civil Engineering

## HIGHLIGHTS

- Computer : Experienced in Excel, PowerPoint, Word; Adobe InDesign, basic Python(including Jupyter & PyCharm)
- Language : English(IELTS: 6.5(6.0)); Mandarin