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OBJECTIVE

To obtain an internship in the Mechanical Engineering or Architectural Engineering fields. Areas of interest include MEP and building automation.

EDUCATION

Carnegie Mellon University   Pittsburgh, PA, USA
Master of Science in Civil Engineering, *Expected Dec. 2014*
Concentration: Advanced Infrastructure Systems (GPA: 3.7/4.0)

The University of Hong Kong   Hong Kong
Bachelor of Engineering in Mechanical Engineering, *June 2013*
Concentration: Building Services Engineering (GPA: 3.2/4.0)
Shanghai Jiao Tong University   Shanghai, China
Bachelor of Mechanical Engineering, *June 2011*
Selected as Top student to join SJTU-HKU 2+2 Dual Bachelor Degree Program (GPA: 3.4/4.0)

RELEVANT EXPERIENCE

KONE Elevator HK Ltd   Hong Kong
Summer Intern, New Elevator Business Division, *June-Aug.2012*
- Researched and compared advanced techniques applied in elevators and escalators of different companies
- Investigated and recorded the performance of approximately 100 elevators in over 20-year-old commercial buildings
- Analyzed the collected data and proposed elevator modernization solutions to the property management company

PROJECTS

Building Services Systems in HKU Main Building Renovation Proposal, *Sept.2012-June 2013*
- Conducted comparative study and analysis of historical preservation
- Redesigned Building Services Systems including HVAC systems, fire services, water supply systems and electricity services for adaptive reuse of HKU Main Building
- Introduced green building design to reach the sustainable and environment-friendly goal
- Collaborated and interacted with architectural and structural engineers to ensure feasibility

User Behaviors' Influence on Building Energy Saving Strategies Study, *Sep.2012-June 2013*
- Designed and established the algorithm model of possible user behaviors inside a building
- Set up simulation environment incorporating software for dynamics energy analysis, control interface and agent-based simulation to evaluate the performance of building energy saving strategies
- Coded in NetLogo for agent-based simulation

RELEVANT COURSES

Introduction to Design and Manufacture	Utility Services
Building Energy Management and Control Systems	Air Conditioning and Refrigeration
Fluid Mechanics & Pump and Fan	Fire Protection Engineering

ACTIVITIES & HONORS

Student Member, ASHRAE	*Sep.2011-present*
Civil and Environmental Engineering Department Graduate Service Assistantship	*Aug. 2013*
Harold A. Thomas Tuition Scholarship	*Aug. 2013*
The Chartered Institution of Building Services Engineers Book Prize 2011-2012	*Nov.2012*
Student Host, HKU Centenary Gala Dinner	*Dec. 2011*
Second Prize of Shanghai Undergraduates' Advanced Engineering Drawing Competition	*May 2011*
Manager of University Gym in SJTU	*Sept.2010-June 2011*

SKILLS

Proficient: AutoCAD, MATLAB, Revit, Solid Works, MS Office   Intermediate: C++, C, Java, UG, Origin