

Yung Jeh CHU
Department of Architecture and Civil Engineering



Biography

"Love to see innocent people thrive, it is my pleasure to help them"

CHU Yung Jeh was awarded a Master of Engineering Science (M.Eng.Sc.) degree (Pass with Distinction) in the field of Energy and a Bachelor of Engineering (B.Eng.) degree in Civil Engineering at the University of Malaya (UM) (2019 QS World University Rankings = 87th) in the year of 2018 and 2012 respectively. His main research interest is bio-inspired engineering which includes the biomimicry of flight mechanics of winged seed to inspire the new design of wind turbine. His areas of expertise include renewable energy (wind and water turbines), computational fluid dynamics (CFD), aerodynamics, fluid mechanics, biomimetics, and structural dynamics. He is the sole author of 1 scientific journal article and the first author of 2 scientific journal articles that were published in the prestigious SCI-Indexed journals namely the Journal of Hydrodynamics, Computers & Fluids (Quartile score 2016 = Q1) and Journal of Mechanics. He led a project team and won a Silver Award in the IINDEX 2017 competition with the project title "A flexible biomimetic downwind turbine inspired by the *Dryobalanops aromatica* seed" which the idea derives from the research of his master's degree study. He was also a team member who participated in IINDEX 2016 that won a Diamond and 2 Gold Awards. He has about 5 years of work experience as a research assistant in UM up until recently which developed his research skills such as innovative thinking, research grant management, presentation, computing, lab testing, prototyping, and scientific report writing skills. His passion for science and technology is strong, loves to innovate, and is willing to share his knowledge freely. Last but not least, he yearns to establish a long-term collaboration with professionals and is a strong advocate for knowledge sharing.

Employment

Doctor of Philosophy (Student), PhD Arch & Civil Engg

Department of Architecture and Civil Engineering

City University of Hong Kong

1 Sep 2019 → present