Qilong Zhong

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ⅴ EDUCATION：

Sep.2017- Jun. 2021	**BSc in Mechanics in Southern University of Science and Technology (SUSTech)**
Sep. 2021- Now	**PhD Candidate in Mechanical Engineering, University of Hong Kong (HKU)**

ⅴ PROJECT EXPERIENCE：

Mar.2019- Jun. 2021	**Advanced Aerodynamics and Aeroacoustics Laboratory (A3 Lab), SUSTech** • Research topic is "Application of Convolutional Neural Networks and PIV in Real Fluid field". Combining the convolutional neural network with PIV technology can predict the particle image pair of the flow around the cylinder and the jet flow of the engine and estimate the accurate fluid velocity vector field.
May.2020- Oct. 2020	**Optimization Design of Unpowered Aircraft** • We have done iterative optimization design of the airfoil and used CFD for simulation. Finally, we use 3D printing technology to build the model, query a large amount of data to carry out wind tunnel test.
Sep. 2021- Now	**Healthy Cities Lab, HKU** • Research topics are "The Thermal Effect of Protective Facemasks" and "The Cooling Effect of Urban Blue Space".

ⅴ HONOURS AND AWARDS：

Nov. 2020	**Third-class Scholarship of SUStech**
Nov. 2019	**Second-class Scholarship of SUStech**
Nov. 2018	**Second-class Scholarship of SUStech**