THE CHINESE UNIVERSITY OF HONG KONG
Department of Information Engineering
Seminar

Introduction to Scalable Web Application with Python

by

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Date   : 19 May 2023 (Friday)
Time   : 9:30am to 10:30am
Venue : Room 801, Ho Sin Hang Engineering Building, CUHK

Abstract

Popular web services often handle hundreds to millions of requests per second. Building a scalable web service includes many areas, such as load balancing, caching, auto-scaling, monitoring, security etc. Learning the design principles of scalable web services is more important than knowing specific tools.

In this seminar, I will introduce the basic concepts including the CAP theorem, scaling, asynchronous and statelessness designs, with some study cases of real-world applications. The concepts are accompanied by a simple internet-based service built with Python as the web application framework. To wrap up, I will include a draft syllabus and assessment scheme on the related course(s).

Biography

Mr Ma received his B.Sc. degree in Mathematics and Information Engineering from The Chinese University of Hong Kong in 2016. He is currently a PhD student under the supervision of Prof. Sherman Chow. He received the Outstanding Teaching Assistant Award twice and his main research interest includes anonymous credentials and privacy-preserving machine learning.

** ALL ARE WELCOME **

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