COURSE DETAIL

DATA-DRIVEN COMPUTER ANIMATION
Country Hong Kong
Host Institution University of Hong Kong
Program(s) University of Hong Kong
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 122
UCEAP Course Suffix
UCEAP Official Title DATA-DRIVEN COMPUTER ANIMATION
UCEAP Transcript Title COMPUTER ANIMATION
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

This course covers the basics of character animation, keyframe animation, motion capture, inverse kinematics, and physically based character animation. Also the basics of physically-based animation, rigid body dynamics, point-based dynamics, hair animation, cloth simulation, facial animation, crowd simulation, mesh-shape editing, performance capture, skinning, data-driven character control, data-driven cloth animation, data-driven facial animation, and data-driven skinning. Prerequisite: COMP2119.

Language(s) of Instruction
English

Host Institution Course Number
COMP3360

Host Institution Course Title
DATA-DRIVEN COMPUTER ANIMATION

Host Institution Course Details
https://csai.cds.hku.hk/

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Computing & Data Science

Course Last Reviewed
2025-2026

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