"MACHINE LEARNING FOR HIGH SCHOOL & UNDERGRADUATE STUDENTS"

JULY 5, 7, 9, 12, AND 14-- 8:30AM-11:00AM (EDT), SYNCHRONOUS

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"Machine Learning for High School & Undergraduate Students"

Dates: July 5, 7, 9, 12, and 14
Time: 8:30am-11:00am (EDT), Synchronous
Instructor: Dr. Stanley Chan
Cost: $200.00 per registrant

Designed for advanced students in high school grades 10-12 and Year 1-2 college students with an interest in machine learning, this course will present and practice introductory concepts. The course will be delivered synchronously with time built-in for practice, questions, and review. Students will learn how to write Python programs and some mathematical concepts that are used universally in machine learning. Topics to cover include: Evaluating functions, reading and writing images, matrices and vectors, fitting data with a line, minimizing a loss function, extracting features from images, and how classification works. Pre-requisites are high school algebra and calculus.

Prof. Stanley Chan is currently an Associate Professor of Electrical and Computer Engineering at Purdue University where he also holds a joint appointment in the Department of Statistics. Since joining Purdue in 2014, Prof. Chan has developed a number of high-impact courses in machine learning and data science, including ECE595ML Machine Learning, ECE302 Probability, ECE695 Sparse Modeling, and ECE295 Python for Data Science (now ECE20875). He has won multiple teaching awards including an Early Career Teaching Award from Purdue College of Engineering in 2019. He does research in computational photography and machine learning.

For more information, please contact the PAGE Program Manager
PAGE-INFO@purdue.edu

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