Carnegie Mellon Portugal

Data Science Talks @CMU Portugal

"AI Learns to Race: Machine Learning for Autonomous Driving"

by Eric Nyberg (CMU)

ONLINE SESSION*
February 11th, 2021
9am EDT I 2pm GMT

*Registration is free but mandatory

www.cmuportugal.org

Carnegie Mellon University

Online Session

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In the framework of the Advanced Training Program in Data Science and Machine Learning of the CMU Portugal Program which is planned to start in 2021, the CMU Portugal Program is organizing a series of webinars entitled "Data Science Talks @ CMU Portugal". This second talk will be given by **Eric Nyberg**, **Professor at the CMU Language Technologies Institute.**

Abstract
This talk will present the Roborace challenge, the first global event for autonomous Formula-1 race cars. The Roborace organization provides full-size autonomous vehicles, as well as simulation software for training and testing autonomous driving agents; the competing research teams are responsible for improving the driving capabilities of the vehicle to navigate increasingly difficult autonomous racing challenges. In 2020, a team of students from CMU's Master of Computational Data Science (MCDS) program became the first U.S. team to participate in Roborace. In this talk, we present our experiences so far, and outline our efforts to move beyond classic approaches with a completely general, reinforcement learning approach for training autonomous driving agents.

Eric Nyberg
Noted for his contributions to the fields of automatic text translation, information retrieval, and automatic question answering, Eric Nyberg holds a Ph.D. from Carnegie Mellon University (1992) and a B.A. from Boston University (1983). He is a recipient of the Allen Newell Award for Research Excellence (for his contributions to the field of question answering and his work as an original developer on the Watson project) and the BU Computer Science Distinguished Alumna/Alumnus Award. Eric currently directs the Master of Computational Data Science (MCDS) program at Carnegie Mellon. He is also co-Founder and Chief Data Scientist at Cognistx, and serves on the Scientific Advisory Board for Fairhair.ai

Registration is free but mandatory for this online Session: http://bit.ly/datasciencecmu2

One day before the event, you will receive the login credentials to sign into the session.

Advanced Training Programs (to be launched in 2021)

Data Science & Machine Learning
Aims to qualify both well-established professionals and graduates from related fields in **data science and machine learning** and, more broadly, in the constantly evolving field of **artificial intelligence.**

User Experience Design
Aims at educating and qualifying active agents, aspirants or well-established professionals, as well as researchers and academics in the area of **human-computer interaction.**

More at: https://www.cmuportugal.org/advanced-training-programs/

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