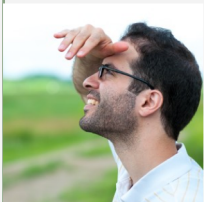


Organic Navigation

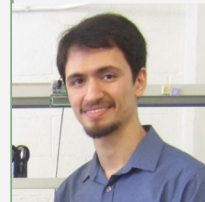
Leveraging data, physics, and learning algorithms to empower intelligence

- Managing engineering projects involving hardware, software, and algorithms
- New product development (inventors on 19 patents)
- Developing the right technology to solve a problem, reliably, on-time and on-budget



Hamid Mokhtarzadeh
Founder and Principal
Navigation Engineer

- PhD in Aerospace Engineering
- R&D engineer at the Toro Company
- Internship with Google Street View



Saber Taghvaeeyan
Head of Intelligent Systems

- B.S. in Electrical, PhD in Mechanical Engineering
- Research Specialist and Product Owner at 3M
- Internship with Intuitive Surgical

Applied Machine Learning for Engineers

Proposed short course for CCEFP Summit at the University of Minnesota:

A. Introduction to Machine Learning (ML) (*Presentation*)

- a. Applications in science and engineering
- b. Relevance to connected vehicles
- c. High-level and low-level tools

B. Introduction to Python (*Presentation*)

- a. History
- b. Interfaces and modules for engineering

C. Develop ML Models with Python (*Hand-on*)

- a. Setup Python development environment
- b. Loading construction vehicle sample dataset
- c. Developing, training, and testing ML models

D. Closing remarks (*Presentation*)

- a. Practical tips
- b. What to try next