

HAO CHEN

Artificial Intelligence

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PROFESSIONAL EXPERIENCE

Vision par Ordinateur

Unité d'Informatique et d'Ingénierie des Systèmes ENSTA ParisTech

May 2018 -

Palaiseau, France

- Major task: Firstly, design a model and study the stability of such model to implement a first custom made tracking algorithm based on this representation.
Then, design a machine learning method to automatically set up the model parameters, through offline and/or online procedures.

FEM Analyse

IPEK-Karlsruhe Institute of Technology

April 2016 - August 2016

Karlsruhe, Germany

- Major task: Utilize the finite element method to simulate the lubrication oil working situation in the journal bearing which is mainly used in automatic.

COURSE PROJECT

Google Landmark Recognition Challenge

- Utilize tensorflow to build an adjusted AlexNet model so that to identify landmarks

Maritime surveillance

- Based on mathematical morphology, firstly treat the images which are taken by the satellites, then distinguish between marine lands and ships. Finally get the size and quantity of the ships

ACHIEVEMENTS

The Elite Scholarship (March 2015)

- In recognition of the great achievements of the third place the first year

Second Prize for China's Undergraduate Mathematics Contest in Modeling (Nov. 2015)

- Reward for the model which predict the position and time of certain places by observing the change of the shadow of an object.

Second prize for the Interdisciplinary Modeling Competition (April 2016)

- Reward for the model which forecast the physical and economic situation water scarcity in the next 20 years.

EDUCATION

ENSTA ParisTech

Major: Artificial intelligence

Since Sept 2017

Palaiseau, France

Diplôme d'Ingénieur

Shanghai Jiao Tong University

Major: Mechanical engineering

Sept 2013-June 2017 Shanghai, China

Bachelor degree

Average Score: 85.94 / 100

Minor: Finance

Karlsruhe Institute of Technology

Major: Mechanical engineering

Mars 2016-Sept 2016 Karlsruhe, Germany

Exchange Programs

COURSES

- Machine Learning
- Visual Perception and Learning
- Statistic Learning
- Introduction to the algorithm
- Software Engineering and Object Oriented Programming
- Data base

COMPETENCES

- Main development languages

C/C++

Python

R

Mysql

- Development Tools - IDE

iPython Notebook

Rstudio

Atom

- Languages

Chinese

English

French



ONE DAY IN MY LIFE

