YIFEI CHEN

AI Researcher

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PUBLICATIONS

13th International Conference on Agents and Artificial Intelligence

1st author, conference paper

Online Streaming, February 2021

DOI: 10.5220/0010227301070118

Chen, Y.; Schomaker, L. and Wiering, M. (2021). An Investigation Into the Effect of the Learning Rate on Overestimation Bias of Connectionist Q-learning.In Proceedings of the 13th International Conference on Agents and Artificial Intelligence - Volume 2: ICAART, ISBN 978-989-758-484-8, pages 107-118.

- oral presentation

Optics Express (2019 IF 3.669)

1st author, journal paper

DOI: 10.1364/OE.25.014760

Y. F. Chen, M.W. Kong, T. Ali, J.L. Wang, R. Sarwar, J. Han, C. Y. Guo. B. Sun, N. Deng and J. Xu,
"26 m/5.5Gbps Air-water Optical Wireless Communication Based on an OFDM-modulated 520-
nm Laser Diode," Opt. Express 25, 14760-14765 (2017).

PROJECTS

Play Doom using Deep Reinforcement Learning

04/2019 - 06/2019 | University of Groningen

Course: Deep Learning. Supervisor: Marco Wiering.
Project Description:
Compare Deep Q-Networks (DQN), Deep Recurrent Q-Networks (DRQN), and Asynchronous Advantage Actor-Critic (A3C) in ViZDoom.

- Four team members.
- In change of running the DQN experiment.

Twitter Bot detector

11/2018 - 12/2018 | University of Groningen

Course: Machine Learning. Supervisor: Marco Wiering.
Project Description:
Detect and discriminate tweets that were generated from bot accounts.

- Four team members.
- In charge of feature selections using Logistic Regression.

SKILLS

Python | Tensorflow | Pytorch | C

EXPERIENCES

Ph.D. in Deep Reinforcement Learning

University of Groningen

10/2018 - 10/2022 | The Netherlands

- Top 100 university

Reinforcement Learning Summer School

Inria, Université de Lille

Lille, France

- July 1st - July 12th, 2019.
- 41 hours of lectures.
- 15+8 hours of practical sessions in total.

Master of Engineering in Visible Optical Communication

Zhejiang University

09/2015 - 06/2018 | China

- Average score: 86/100
- Research Topic: Underwater Wireless Optical Communication.
- One journal paper in Optics Express (2019 IF 3.669) as the 1st author.

Bachelor in Electrical Information Engineering

Nanjing University of Posts and Telecommunications

09/2011 - 06/2015 | China

- Average score: 82/100
- Research topic: Speed control of DC motors based on PID algorithm