

Yannis Flet-Berliac

Machine Learning PhD student - Double diploma, Engineering

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Summary

I am a PhD student in Machine Learning, with a specialisation in Deep Reinforcement Learning. In 2017, I graduated as an engineer from DTU (with focus on machine learning, data science, social networks analysis and big data) and from École Centrale de Nantes (with focus on advanced probabilities, software engineering, digital business and project management). My master thesis was oriented towards deep learning and question answering models.

Prior to starting my PhD, I was working as a Machine Learning Engineer at iAdvize, in Nantes. Back in Denmark, during my double diploma, I have been building machine and deep learning models ready for production in three different startups. My main competences are machine (and deep) learning, statistics, data analysis, software development, mathematics, engineering and digital management.

Research & Work experience

Ph.D. student 2018-10 - Present

Sequel - Inria

The title of my PhD project is "Deep reinforcement learning in stochastic and non stationary environments". It is supervised by Philippe Preux.

Machine Learning Engineer 2017-11 - 2018-10

iAdvize

iAdvize is the European leader in conversational marketing. Building a conversational model for human/machine interface with deep learning.

Research Assistant 2017-08 - 2017-11

DTU

Used DNNs for image classification and GANs for image generation inspired by joint distributions of human artwork.

AI & Machine Learning Scientist 2017-03 - 2017-08

Soply

Built several image classification models for artwork (content, style, type) and a web app to collect feedback.

Machine Learning Engineer 2015-11 - 2017-01

EasyTranslate

Developed a web app using machine learning deployed on AWS which generate networks of texts by extracting their topics to help improve EasyTranslate's workflow.

Data Scientist 2016-07 - 2016-12

EasyTranslate

Business Intelligence, used tools: Python, MySQL, Tableau and Javascript for asynchronous API extractions.

Education

M.Sc. in Digital Media Engineering (Computer Science, Double Diploma) 2015 - 2017

Danmarks Tekniske Universitet

General Engineering Diploma 2013 - 2017

École Centrale de Nantes

Master's degree in Management of Digital Business & IT 2014 - 2014

Audencia School of Management

Other Experience

Invited Talk: "Question Answering and Deep Learning for Language Understanding", Machine Learning Meetup Nantes

Publications:

• "Hearables in Hearing Care: Discovering Usage Patterns Through IoT Devices" (International Conference on Universal Access in Human-Computer Interaction): <https://goo.gl/hmflEc>

• "Machine learning & language complexity: why chatbots can't talk... yet" (iAdvize Engineering): <https://goo.gl/K2fBrQ>

Master Thesis: "Entity Neural Networks for Natural Language Understanding" (DTU): <https://goo.gl/NFm6Lq>

Award: 1st Price, Venture Cup Challenge (Mobile and Web Active Stage Category, 2016)

Conference Organizing: TEDx Centrale Nantes

Participation in other Research Projects: "Deep Neural Network for Machine Translation" (DTU): <https://goo.gl/dPSZcb>

"DeepReader: Extract Knowledge from Text Datasets using Machine Learning" (EasyTranslate, DTU): <https://goo.gl/zvCelx>

Other Information

Certifications: "Functional Programming Principles in Scala" (Coursera), "Structuring Machine Learning Projects" (Coursera)

Membership in professional organizations: The Association for Computational Linguistics (ACL)

Languages: English, French, Spanish (limited working proficiency), Danish (elementary proficiency)