

Grégoire Clément

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Current position

Self-employed Data Scientist
Freshly graduated from EPFL (April 2020)
Open for a full-time position

Work Experience

- 2019 - 2020 Research Intern, NEC Corporation, Tokyo, Japan
Master thesis on Unsupervised Anomaly Detection with images
- 2019 Swiss Data Science Center, Lausanne, Switzerland
Semester project on Facade Parsing
- 2014 - 2019 Founder - Web Developer, pragmasite.ch
Creating websites for small to medium companies

Education

- 2019 - 2020 Master Thesis, NEC Corporation, Tokyo, Japan
- 2017 - 2020 MSc in Data Science, EPFL, Switzerland
- 2014 - 2017 BAsC in Communication Systems, EPFL, Switzerland
- 2009 - 2013 High School (in both French and German), Payerne, Switzerland

Areas of specialization

Data Science • Optimization • Software Engineering • Statistics • Decentralized Systems
Machine Learning • Deep Learning • Artificial Neural Networks • Computer Vision

Projects and Research

- 2020 Unsupervised Anomaly Detection (Python)
Automating and enhancing optical inspection within manufactories
- 2019 Facade Parsing (Python)
Identifying the building structure from images using Deep Learning
- 2019 Ingredients-2-Vec (Python)
Finding ingredient substitutes for any recipes using a similar approach as Word2Vec
- 2019 Pickup and Delivery Problem (Java)
Analyzing approaches (reactive, deliberative, centralized) to solve vehicle routing problems
- 2018 Robust-Planner.com (Python)
Journey planner with certainty estimation on real Swiss Federal Railways data
- 2018 GraphLang (Python)
Spectral graph analysis to classify articles with soft clustering
- 2018 Distributed Stochastic Gradient Descent (Scala)
Distributed version of Hogwild! on a Support Vector Machine problem

Skills

Languages Python, Scala, Golang, Java, JavaScript, C
Libraries PyTorch, Spark, Scikit-Learn, Keras, Pandas, Numpy

Awards

2019 Honorary price by Microsoft during StartHack for a Machine Learning based tool making recipes more eco-friendly (hackathon)
2018 Winner of LauzHack using Machine Learning to detect fraudulent bank accounts (hackathon)
2017 Winner of LauzHack using Computer Vision to detect supply chain defects (hackathon)

Conference and Workshops

2019 Applied Machine Learning Days, Lausanne, January 26-29 (attendee) [appliedmldays.org]

Languages

French Native
English C1 - Cambridge Advanced English certificate
German B2
Japanese A1-2

Hobbies

Rock Climbing • Bouldering • Running • Hockey
Programming • Board Games • Playing Cards • Cinema

Links

Github github.com/gregunz
Kaggle kaggle.com/gregunz
DevPost devpost.com/gregunz
LinkedIn linkedin.com/in/gregoire-clement

References available on request