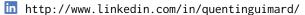
Quentin Guimard

https://scholar.google.com/citations?user=nxGwojoAAAAJ





PhD student in computer science at Université Côte d'Azur

Expected graduation date: September 2023

Employment History

Oct 2020 – Present

PhD student, Université Côte d'Azur, Laboratoire d'Informatique, Signaux et Systèmes de Sophia Antipolis (I₃S). Sophia Antipolis, France.

PhD intern, Centrum Wiskunde & Informatica (CWI). Amsterdam, Netherlands.

Visiting PhD student, Università degli Studi di Firenze, Media Integration and Communication Center (MICC). Florence, Italy.

Sep 2019 – Sep 2020

Data scientist apprentice, Thales Services. Sophia Antipolis, France.

Research assistant intern, Université du Québec à Montréal (UQAM).

Montreal, Canada.

Education

PhD, Université Côte d'Azur in Computer Science.
 Thesis title: Machine Learning-based Strategies for Streaming and Experiencing Virtual Reality.

 2017 – 2020 Master's degree, Polytech Nice Sophia in Computer Science.
 Specialisation: Data Science.

 2018 – 2019 Erasmus exchange, Université Catholique de Louvain in Computer Science.
 Duration: One semester.

Research Publications

Conference Proceedings

- Guimard, Q., Robert, F., Bauce, C., Ducreux, A., Sassatelli, L., Wu, H.-Y., ... Gros, A. (2022a). On the link between emotion, attention and content in virtual immersive environments. In *Proceedings of the 2022 IEEE International Conference on Image Processing (ICIP)*, IEEE.
- **Guimard**, Q., Robert, F., Bauce, C., Ducreux, A., Sassatelli, L., Wu, H.-Y., ... Gros, A. (2022b). PEM360: A dataset of 360° videos with continuous Physiological measurements, subjective Emotional ratings and Motion traces. In *Proceedings of the 13th ACM Multimedia Systems Conference (MMSys '22)*, ACM.
- Guimard, Q., & Sassatelli, L. (2022a). Effects of Emotions on Head Motion Predictability in 360° Videos. In Proceedings of the 14th International Workshop on Immersive Mixed and Virtual Environment Systems (MMVE '22), ACM.
- Guimard, Q., & Sassatelli, L. (2022b). Machine learning-based strategies for streaming and experiencing 3DoF virtual reality: research proposal. In *Proceedings of the 13th ACM Multimedia Systems Conference (MMSys '22)*, ACM.
- **Guimard**, Q., Sassatelli, L., Marchetti, F., Becattini, F., Seidenari, L., & Del Bimbo, A. (2022). Deep Variational Learning for Multiple Trajectory Prediction of 360° Head Movements. In *Proceedings of the 13th ACM Multimedia Systems Conference (MMSys '22)*, ACM.

Preprints



Sawadogo, A. D., **Guimard**, **Q.**, Bissyandé, T. F., Kaboré, A. K., Klein, J., & Moha, N. (2021). *Early Detection of Security-Relevant Bug Reports using Machine Learning: How Far Are We?* Retrieved from <code>% https://arxiv.org/abs/2112.10123</code>

Awards and Achievements

2022

Best Paper Award, ACM MMSys 2022. For the paper "Deep Variational Learning for Multiple Trajectory Prediction of 360° Head Movements".

Teaching Experience

2020 - 2023

- Introduction to Imperative Programming (Python). Polytech Nice Sophia. Teaching assistant. Undergraduate course.
- Algorithms and Data Structures (Java). Polytech Nice Sophia. Teaching assistant. Undergraduate course.
- 2022 2023
- Machine Learning. Polytech Nice Sophia. Teaching assistant. Graduate course.
- 2020 2022
- From Shallow to Deep Learning. Polytech Nice Sophia. Teaching assistant. Graduate course.
- -

2021

- **Deep Reinforcement Learning**. UCA Deep Learning School. Teaching assistant. Summer school interactive tutorial.
- **Visual recognition and Domain adaptation**. UCA Deep Learning School. Teaching assistant. Summer school interactive tutorial.

Skills

Programming

Libraries

NumPy, PyTorch, Keras, TensorFlow, OpenCV, Scikit-learn, Pandas

Databases

ElasticSearch, HDFS, PostgreSQL, HSQLDB, ClickHouse

Misc.

Academic research, teaching, user experiments, Git version control

Certifications

2020

- EF Standard English Test (EF SET). 89/100 (C2 proficient).
- 2019
- TOEIC Listening and Reading. 985/990 (C1).
- 2017
- Certificat Voltaire. 938/1000 (expert). French grammar proficiency certification.

Languages

French

Native proficiency

English

Full professional proficiency

Spanish

Limited working proficiency