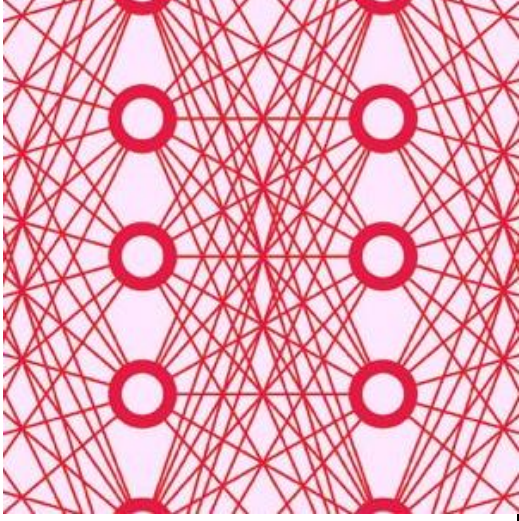


Master 2 /Engineering diploma internship

Ref: RI-ISL-CP-deep roto-5

Subject: Deep Learning Models Portability

	<p>Deep Learning Models Portability</p> <p>The goal of this software development project is to explore and experiment with several machine learning frameworks and GPU backends in order to reach best portability and performance stability in professional VFX production environment. We will also explore the possibilities to use models generated by one framework in another framework for best integration with production software like Nuke.</p> <p><u>Skills:</u> c++, python, Linux, Windows (optionally Cuda, OpenCL, Caffe, TensorFlow, ...)</p> <p><u>Keywords:</u> Deep Learning, Interoperability</p>
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Where:

The internship will take place at Interdigital research, Rennes, France. The site was formerly Technicolor research and has been purchased by Interdigital in June 2019. The internship takes place within a collaboration with Technicolor postproduction.

How to apply:

Send an email to jean-eudes.marvie@interdigital.com

Interdigital

Lots of companies bring innovations that improve a single product. At InterDigital, our inventions help improve every product in the markets we participate in, from the most basic to the most advanced, transforming industries and improving products and services that are part of our daily lives.

InterDigital is one of the world's largest pure research, innovation, and licensing companies, with more than 300 engineers around the world. Our focus is on research and development with pervasive impact: mobile technologies that underpin smartphones, networks and services via global standards, and video technologies that are the foundation for today's most popular products and services. Wireless and video – arguably the two most impactful technologies today.

On the wireless side, InterDigital has been a pioneer for four decades, with our engineers designing and developing a wide range of advanced technologies that are used in digital cellular and wireless products and networks, including 2G, 3G, 4G and IEEE 802-related products and networks. Today, we're a leader in 5G research and beyond, a thought leader in our industry and, over the course of the last two decades, the source of more than 30,000 contributions to key global standards.

In video, our existing efforts in key standards have been dramatically expanded with the addition of the Research & Innovation operation of global market leader Technicolor in 2019. With a video R&D heritage spanning decades, while yielding one of the leading innovation portfolios in the industry, what is now InterDigital R&I is a world leader in video research, pioneering new capabilities and making more than 100 contributions to key global video standards. In 2019, the company incorporated a world-class video and AI research team and an established portfolio of video expertise to expand our work in wireless and video technologies and consumer electronics. Our track record of research & development is matched by our fair licensing practices, which are a model for the industry, and our willingness to partner with virtually anybody in developing new capabilities that will improve technology for consumers and businesses around the world.