

Gaétan CARRADE - M2 Engineering Student

Second-year Master's degree Creative Technologist Engineering student at the De Vinci Innovation Center currently working in the field of **human-computer interaction** and **mixed reality** experiences, with a particular focus on **holographic technologies**.

I am a rigorous, efficient, and motivated quick learner seeking for a **6 MONTHS END-OF-STUDY INTERNSHIP** starting **MARCH 2024**.

Professional Experiences

Mar'2023/Aug'2023

INTERNSHIP

Thales Defence Mission Systems - Elancourt
• Engineer in archiving tool analysis

Carry out test campaigns on various functionalities linked to a classification scheme : management of retention periods, workflow, attestation and format policies. Definition and implementation of several POCs on these same themes.

Jan'2023/Feb'2024

MASTER'S THESIS RESEARCH PROJECT

De Vinci Innovation Center - Paris La Défense
• Augmented Holographic Interface

State-of-the-art study leading to the design and manufacture of an augmented pyramidal hologram. Integration of various sensors to detect the user's hands in space in order to control the projection (movement, zoom, assembly of components, etc).

Nov'2022/Mar'2023

VOLUNTEERING

Léonard de Vinci Campus - Paris La Défense
• Student Council Vice President

Management of a student association (a team of 54 people) on 17 projects (9 parties, 7 days and 1 trip) with a budget of around 280.000€. The BDE organises events for the Léonard de Vinci campus, which includes 3 schools and 9,000 students.

Sept'2022/Jan'2023

FIRST YEAR MASTER'S REASEARCH PROJECT

De Vinci Innovation Center - Paris La Défense
• Biowatch

Design and manufacture of a an open-source smartwatch prototype for the implementation of wearable biosensors. Fast prototyping of a wearable lactate biosensor using painless microneedles.

Sept'2021/Jun'2022

UNDERGRADUATE REASEARCH OPPORTUNITY PROGRAM

De Vinci Innovation Center - Paris La Défense
• SmartLock

Creation of a graphical interface in Python and integration of elements into a circuit using a RaspberryPi 4 for a smart connected locker.

Sep'2020/Jun'2021

SUPERVISED PERSONAL INITIATIVE WORK (TIPE)

CPGE Scientifique Massena - Nice
• Supercooling and phase change materials

Carrying out experiments on supercooling and phase change materials. Drafting a scientific dossier using the hardskills taught during the two years of preparatory classes for the Grandes Ecoles.

Interests

DIY's, French Boxing (5 years), **Scouting** (7 years), **Alpine Skiing** (15 years), **Travels** (10+ countries visited), **Reading**

Informations

Address 11 allée Jean Baptiste Lamarck
92000, Nanterre, France

Phone +33 6 25 69 57 57

E-mail gaetan.carrade@gmail.com

LinkedIn [click here](#)

Skills

Manufacturing

CAD - CNC (Fusion 360) | TIG Welding
3D Printing (Prusa, Formlabs) | Laser cutting
PCB Design (Kicad) | Electronic Welding (THT/SMD)

Softwares

Adobe (Ai, PrPro, Ae, Ps) | Microsoft office 365 suite

Programming

Python, SQL, LaTeX, C#, HTML

Languages

French (Native)
English (B2 Cambridge First 2019)
Spanish (Conversational)

Education

Sep'2022/Feb'2024

MSc Creative Technology Engineering

De Vinci Innovation Center (DVIC)
Paris La Défense

Coursework includes :

Design and Manufacturing in mechanic and electronic, Computer Architecture and Networks

Pedagogy frameworks :

Radical learning, Antidisciplinarity, Collective Intelligence, Learning by Doing

Sep'2021/Feb'2024

Master's degree in Global Engineering

Léonard de Vinci Engineering School (ESILV)
Paris La Défense

Courseswork includes :

Mathematics, Fluid Mechanics, Engineering Science, Computer Science, English

Sep'2019/Jun'2021

Entrance exams to the Grandes Ecoles

Massena scientific preparatory classes
Nice

Courseswork includes :

Mathematics, Physics, Chemistry

Pedagogy framework :

Two-year highly selective classes to prepare competitive exams to the "Grandes Ecoles"