



XAVIER SMADJA 25 ans

MECHANICAL DESIGN ENGINEER

À PROPOS

Mechanical design engineer who graduated from Icam in Nantes in 2021, I'm looking for an engineering position in mechanical design and prototyping, ideally in a company with a strong social or environmental ethic.

PROFESSIONAL SKILLS

SolidWorks (CAD)
Prototyping
Traditional machining
3D printing (FDM/SLA)
Arduino : C++
Office package (Excel, Powerpoint, Word)
Adobe Pack (Photoshop, Lightroom, Premiere Pro)
Ansys Fluent: Numerical Simulation

LANGUAGES

French: Native language
English: Level B2 (TOEIC 905)
Spanish: Level B2

COMMITMENTS

Membre de PING Nantes (Fablab)
11 ans de rugby
4 ans de tennis
Championnat de France de rugby à 7
Association de Skateboard
Association de brassage de bière
Bénévolat en Irlande

HOBBIES

Astronomy
Extreme sports
Photography and videography
Road-trip
Physics
Piano

CONTACT

 B Licence
 06 13 53 21 68
 75001 Paris
 xsmadja@gmail.com
 www.linkedin.com/in/xavier-smadja
 [Portfolio](#)

WORK EXPERIENCES

INGÉNIEUR CONCEPTION MÉCANIQUE

Mechanical Engineer - Kickmaker | March 2022 - Today 

Design and industrialization of test benches for the medical sector

- Design and manufacture of fluid test benches
- Prototyping (3D printing, milling, turning, electronic welding)
- Statistical testing and analysis for fluid tool qualification
- Drafting of documentation and assembly/operating instructions

MECHATRONICS DESIGN ENGINEER

Internship - Cook-e | February 2021 - August 2021 

Design and industrialization of a robotic kitchen

- Benchmark and search for suppliers
- Dimensioning and prototyping of the robot's central element
- 3D modeling (SolidWorks) and industrial drawings

PROJECT DESIGN ENGINEER

Mémoire Scientifique - XSun | Septembre 2020 - Février 2021 

Industrialization of a foldable catapult for autonomous UAVs

- Structural design (analytical and Patran calculations)
- Search for technical solutions
- 3D modeling (SolidWorks) and search for suppliers

FABMANAGER

Student job at Icam Nantes - | February - June 2019 

- Management of the school's Fablab, project support
- Training students in the use of 3D printers...
- Machine maintenance and repair

PROJECT MANAGER (FAB MANAGER)

Internship - TechShop | July - August 2018 

- Project support
- Training in the use of 3D printers and laser cutters
- Wooden catapult workshops

EDUCATION

ENGINEERING SCHOOL - ICAM NANTES

General Engineer BAC +5 Specialization Mechanical Design

September 2016 - September 2021

EXPERIMENT: 4-month Road Trip in Canada, cultural immersion

WorkAway mission: volunteer work in a sled dog kennel

PROJECTS

CLOCKBOT - 6 MOIS

Creation of a robot controlled by an Arduino board capable of writing text with a pencil (CAD, machining, 3D printing...).

DESIGNING A ROBOTIC IGUANA FOR "LA MACHINE

Design and dimensioning of a giant Iguana for the Ile de Nantes machines. (CAD, static and dynamic calculations, dimensioning)