



Toni Nadal

3D BIOMEDICAL ENGINEER

- PROJECT DEVELOPER -
ADDITIVE MANUFACTURING & MEDICAL DEVICE EXPERT

CV REAL TIME VERSION:



www.toninadal.com

CURRICULUM VITAE

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ABOUT ME

I've always been struck by how things **work**. I guess that's why I've ended up being **passionate** about **technology**. I started my studies with a Technical Engineering in **Industrial Electronics**, accompanied by a **full-time** Master's Degree in **Biomedical Engineering** and complemented with a postgraduate degree in **Expert in Medical Devices**. In 2012, I started playing with 3D printers as a hobby, **designing** my own 3D printers (filament and resin). In a short time, I was **advising**, **selling**, and **working** with the **top 3D printing brands**, including Stratasys and 3D Systems, among others. I've been involved in all kinds of **projects**, so I have a lot of **experience** with all the **additive manufacturing** technologies and all the things that surround 3D, from **metal printing**, CAD designs, **new applications**, or even **selling strategy** or **ROI calculation**.

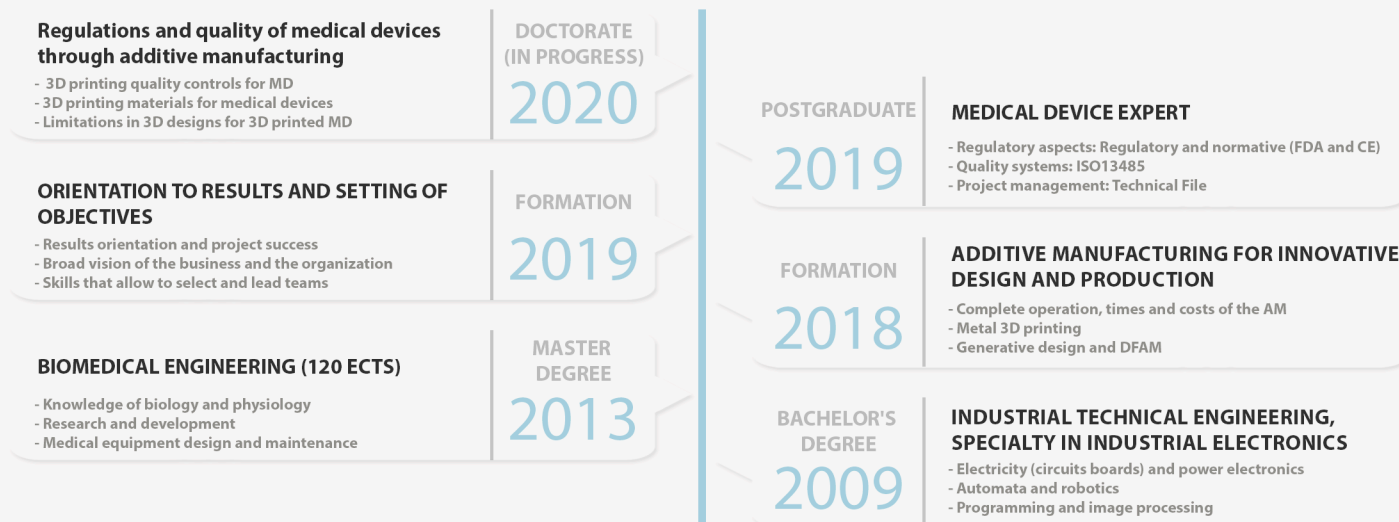
Currently, I'm putting my **business** and **innovation knowledge** in three projects. I am helping to **create**, **carry out**, and **coordinate** a **business plan** for the distribution of 3D printing equipment **nationwide**. On the other hand, I'm **managing** a **3D printing laboratory** within a hospital at a regulatory and **new application development** level. So also, I'm doing a **doctorate** oriented to regulation and safety of **3D printers** for **medical applications**. Therefore, I have the perfect **profile** to **lead** all kinds of **projects** related to the development of new products or **innovation**, especially **medical devices**.

I always try to be **learning** and **improving**, so if you want to know my last updates, enter **www.toninadal.com** and find out my latest **achievements**.

EXPERIENCE



EDUCATION



HIGHLIGHT

- ✓ Leading Projects
- ✓ Product Design
- ✓ Organic and parametric 3D design
- ✓ Manufacturing processes
- ✓ Programming languages
- ✓ Advanced office apps
- ✓ DICOM imaging treatment

PROFESSIONAL SKILLS

HARD WORKING: +++++
COMMUNICATION: ++++
LEADERSHIP: ++++
LEARNING: ++++
CREATIVITY: ++++

LANGUAGES

✓ English - Native
✓ Spanish - Native
✓ Catalan - Native

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PROJECTS & PUBLICATIONS

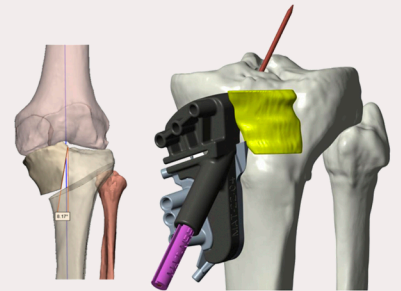
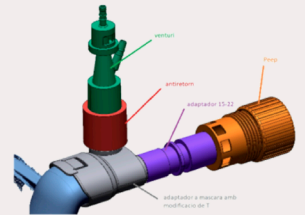


FEATURED PROJECTS

COMPANY	POSITION	PROJECT
Presolid Tech 2015-2016  PRESOLID	CREATION OF A STARTUP - Design of products - Technical service - Tutor of 5 intern students	SLA-DLP 3D PRINTER - Developing a new product: ResinCAT - First Open Source SLA 3D Printer in Spain - Hardware, Electronics & Firmware design
Boloberry Tech 2016-2017  3d printer manufacturer	STARTUP MANAGEMENT - Design of products - Sales strategy: Create e-commerce - Tutor of 3 final degrees project	FFF 3D PRINTER & CNC - Adding FFF features: Dual extruder & autoleveling - LCD touch screen - Reduction of cost 3D PRINTING ACADEMY - 3D printing for school teachers - 3D printing for Architecture - 3D printing for Healthcare applications
Ikigai 3D 2018-2019  by Toni Nadal	FREELANCE - 3D printing services - Healthcare Product design - Web design	SURGICAL GUIDE - Healthcare application: Foot (Bunion) - External guide (No need of operation room) - Comercial product: Design and production SEDNA PROJECT - Circular economy - Recycling of plásticos - Business model
Grupo Mastertec 2018 	PROJECT MANAGER - Product validation - Application engineer - Manager of 4 employees	MASTERTEC3D SERVICEPACK - Formation & Technical Service platform - 13 3D courses - Reduce the number of technicians
3DLAB Parc Taulí 2020 	QA & PROJECT LEADER - Technical File - Operation Workflows - Preoperative surgical planification	3DCOVID19.tech - More than 25 companies - More than 100.000 products created - Regulatory & Production Manager 3D LAB REGULATORY - Medical devices: 3D models, Surgical guides, ... - License documentation: ISO13485 - Automate documentation workflow PIT3D - 3D design of an external breast prosthetic - Clinical & Product validation - Tutor of final degree project



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PUBLICATIONS

ENGINY EPS - Control system using LABVIEW

ENGINY EPS - Programming an accelerometer using VIRTUAL INSTRUMENTATION

BMC Health Services Research - Integrated 3D Printing Solution to Mitigate Shortage of Airway Consumables and Personal Protective Equipment During the COVID-19 Pandemic



SOFTWARE & HARDWARE 3D EXPERTISE

