

# Pau Nonell Isach's CV



Date of birth: 13/07/1996  
Mobile: +34 620321200 / Email: pau.nonell@gmail.com

Complete portfolio at:  
<http://pnonell.github.io>

## EDUCATION

---

- 09/20 – 09/21 **Master in Intelligent Interactive Systems**  
*Universitat Pompeu Fabra (UPF), Barcelona (GPA: 3.56/4.0)*
- 09/15 - 06/20 **Degree in Multimedia Engineering**  
*La Salle – Universidad Ramon Llull, Barcelona (GPA: 3.47/4.0)*
- 09/19 - 01/20 **Exchange program of the degree in Multimedia Engineering**  
*National Chengchi University (NCCU), Taipei, Taiwan*
- 09/14 - 06/15 **First course of the degree in Architecture**  
*La Salle – Universidad Ramon Llull, Barcelona*
- 09/12 - 06/14 **Technological High School**  
Graduated with honors (#1 of class). *IES Vil·la Romana, La Garriga*

## WORKING EXPERIENCE

---

09/21 – Today **La Salle – Universitat Ramon Llull. Barcelona**

**Researcher & Associate Professor** Engineering department, Research Group on Media Technologies

### Functions:

- Assisting in the research development of several projects related to AI, Computer Vision and Human-Computer Interaction
- Writing of reports and publications related to the research projects
- Coordinator and professor of Advanced Multimedia Productions (4<sup>th</sup> grade Degree in Multimedia Engineering)
- Coordinator and professor of Interactive Installations (2<sup>nd</sup> grade Degree in Digital Interaction and Computing Techniques)
- Professor of Introduction to Robotics (2<sup>nd</sup> grade Degree in Electronic Engineering)
- Supervisor of several students' Final Degree Projects
- Responsible and technician of the university's 3D printers

### Projects:

- Analysis of multimodal capture systems based in haptic and visual low-dimension features, its perceptual representation and object recognition classifiers.
- Automation of tissue segmentation in skin wound images with deep learning image processing techniques

09/20 – 06/21 **La Salle – Universitat Ramon Llull. Barcelona**

**Research assistant** Engineering department, Research Group on Media Technologies

### Functions:

- Assisting in the research development of several projects related to AI and Computer Vision
- Collection of data and processing of it for the projects
- Writing of reports
- Researching publications and methods related to the projects carried out

### Projects:

- Automation of control of fields by means of a moving robot with a camera
- Analysis of skin wound images with image processing techniques



06/17 - 05/18    **INVERPRIBAN.** *Barcelona*  
Fintech specialized in investments and loans with 15 employees

**Front-end Intern** Technology department, reporting to the CTO

Functions:

- Programming all the Front-End of a platform called FiValue, whose objective was to automate the functions performed by the company Inverpriban
- FiValue Platform Back-End Assistance
- Design of the FiValue platform together with the marketing team
- Programming the Front-End of the company's Intranet

Projects:

- Construction in its entirety of the FiValue platform, whose functionalities include the management of investments and loans, calculation of loan quotas and capital movements

## LANGUAGES

---

Spanish (Native), Catalan (Native), English (Fluent; Advanced Certificate -C1-), French (Intermediate, -A2-), Chinese (Intermediate; HSK II -A2-)

## COMPUTER AND TECHNICAL SKILLS

---

**Computing:**

- Basic: Office Package (Advanced)
- Programming languages: Python (Advanced), C++ (Advanced), HTML (Advanced), Javascript (Advanced), CSS (Advanced), PHP (Advanced), Java (Medium), SQL (Medium), C (Medium), Qt/QML (Medium)
- Robot programming: ROS (User)
- Databases: FireBase (Advanced), PostgreSQL (Medium), MySQL (Medium)
- Digital Processing: Matlab (Advanced)
- Web development: Axure (Medium), Adobe Experience (User)
- Game development: Unity (Medium)
- App development: Android (Medium)

**Audiovisuals:**

- Modeling and animation: AutoCad (Medium), 3Ds MAX (Medium), Google SketchUp (User)
- Photo and Graphic Editing: Adobe Photoshop (Advanced), Adobe Illustrator (Advanced), Lightroom (User)
- Video editing: Adobe Premiere (Advanced), Adobe After Effects (Advanced), Windows Movie Maker (Medium), iMovie (Medium)
- Sound editing: Audacity (Medium)

**Electronics and Product prototyping:**

- Processors: Raspberry Pi (Advanced), Arduino (Advanced)
- 3D Printing: CURA (Advanced)
- Electronics: Fritizing (Medium)