



Francesc Porta Solsona

Games Programmer

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HELLO!

I'm a passionate Game Developer, proficient C++ and C# programmer, with great capacity for knowledge integration and creativity. Experienced working in multidisciplinary environments. Co-Founder and Programmer at TeamUglyGames which will soon be releasing *Ugly*, its first award-winning title.

Find this all my other projects in my portfolio: <https://francps.github.io/>

•SKILLS•

- C++, C#, Python
- Gameplay Programming
- 3D Engine Architecture
- PBR rendering pipeline
- GLSL Shader languages
- API integration
- Good knowledge of Design Patterns
- Machine Learning & AI
- Agile Methodologies
- Teamwork & Communication
- Problem solving & Creativity

•PROJECTS•

- [Master's Engine](#) - Tesseract
- [Master's Game](#) - ShutDown
- [Pectoral Muscle Segmentation](#)
- [ZORK!](#)
- [Goya's Nightmare](#)
- [Space Shooter Mobile](#)

•ACADEMIC PROJECTS•

- Garlic OS Architecture
- Flex-Bison Compiler
- Multithreaded Systems
- Server-Client Network

•LANGUAGES•

Catalan: Native
Spanish: Native
English: Professional working proficiency
French: B1.2



EMPLOYMENT HISTORY

TEAM UGLY GAMES LEAD PROGRAMMER



February 2022 to Present - Barcelona, Spain

<https://store.steampowered.com/app/1983220/Ugly/>

Soon releasing *Ugly*, a 2D puzzle-platformer game made in *Unity*.
Soon to be released on Steam, Epic, NSwitch and Xbox.

Fully supports 12 languages, controls remapping, 3 game slots with shared settings.

Features 70+ rooms with unique puzzles, 6 bosses and 2 endings.

- **Co-Founder and Account Administrator.**
- **Programming Lead:** Complete Gameplay, Tools and Backend. C#.
- **Audio Coordinator.**
- **Multidisciplinary hand:** Assistant to Game Design, Technical Art and Production (*agile*).

UP2SMART INNOVATIVE TECHNOLOGICAL SOLUTIONS DATA ENGINEER & AI DEVELOPER

September 2019 to August 2021 - Tarragona, Spain

- **Machine Learning & Computer Vision:** Creation of predictive model for Medical diagnosis. Early Acromegally detection using combination of Machine Learning systems. *Python, Matlab*.
- **Data Engineering:** Tool to automatically generate data sets used in Mental Illness Center for treatments analysis and optimisation. *Mysql, Python, Java*.
- **Project Management:** System Design and Project Plan for a set of prediction techniques for an Automatic Treatment Plan Recommendation System for Social Service Centers.

1-ONE SANTÉ ET SECURITÉ AU TRAVAIL WEB DEVELOPER

June 2015 to August 2015 - Bordeaux, France



EDUCATION

MASTER IN ADVANCED PROGRAMMING FOR AAA VIDEOGAMES Universitat Politècnica de Catalunya (UPC) - Barcelona Spain

BACHELOR IN COMPUTER ENGINEERING Universitat Rovira i Virgili (URV) - Tarragona (Spain)