# Francisco Múrias

## Experienced Technical Artist | Unreal Engine Specialist

I'm passionate about creative technologies and enjoy building procedural tools, shaders, and generative art. I've worked on AAA games and small indie projects, and I thrive on creating experiences that inspire people to imagine, explore, and immerse themselves in interactive worlds.

Whether collaborating with teams or working solo, I bring innovative ideas to life across games and beyond.

**Francis.mmcp@gmail.com** 

📾 franciscomurias.github.io

Tees Valley, England

Porto, Portugal

Vancouver, Canada

Vancouver, Canada

Porto, Portuaal

Porto, Portugal

## **EDUCATION**

## Masters in 3D Games Art (Honours)

**Teesside University** 

### 2019 - 2020

#### Highest Grade Award

Dissertation: "Development of a machine learning based interactive virtual terrain authoring pipeline for video games and 3D Media"

Topics: 3D Content creation, Procedural Art, Technical Pipelines, Material Creation, Optimization, Machine Learning.

## **BSc in Computer Science**

University of Porto

#### 2013 - 2018

Topics: Data structures and algorithms; Discrete mathematics, programming languages and paradigms (C, C++, Java, Python, Haskell), operating systems, artificial intelligence, 3D Graphics, Games Programming

## WORK EXPERIENCE

### **Technical Artist** Blackbird Interactive Inc

Mar 2021 - Present

Homeworld 3 - Developed and implemented several core features and systems while coordinating with different departments. Responsibilities included: content creation pipelines, shader development, post processing, real-time optimization and profiling, procedural content generation, destruction systems, VFX support, custom volumetric rendering and custom tool development.

## **Technical Art Instructor - Unreal Shaders**

Langara Centre for Entertainment Arts

#### Set 2021 - Dec 2021

Designed and taught a module on Unreal Shaders to postgraduate students in the Centre for Entertainment Arts in Vancouver.

### Software Development Internship

Fyde Inc

#### Oct 2017 - Feb 2018

Responsible for creating, implementing and testing a robust animation solution for the tutorial screens of a mobile security app for iOS developed with react Native, coordinating with the in-house designer and other developers.

## **Co-Founder and Team Leader**

**Porto Graphics** 

#### Sep 2013 - Aug 2018

Co-founded Porto Graphics, a group focused on promoting computer graphics knowledge sharing. Managed a team of multi disciplinary people, and organized several events, workshops and Game Jams with hundreds of participants.

## **3D Modeling Instructor**

University of Porto

### Jun 2017 - Aug 2017

Instructor in 3D Modeling with Blender, for kids aged 16-18 for the summer week courses in Junior University of University of Porto.

## UI/UX Designer and 2D Artist

**Fun Punch Games** 

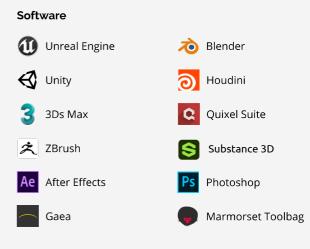
Feb 2016 - Jun 2016

User Interface & 2D designer for a mobile game based on android. Responsible for developing UI and menu interfaces, restructuring and rebalancing UX and 2D assets.

# SKILLS



# TOOLS



#### Languages and Frameworks



# LANGUAGES

English Native or Bilingual Proficiency

Portuguese Native or Bilingual Proficiency

Spanish Professional Working Proficiency

French Elementary Proficiency



Porto, Portuaal

Lisbon. Portuaal

