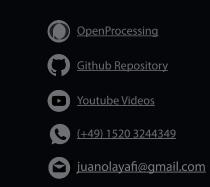


# JUAN OLAYA

(BSc) COMPUTER ENGINEERING

(MSc) COGNITIVE SYSTEMS AND INTERACTIVE MEDIA



# EDUCATION

- Cognitive Systems and Interactive Media Master's Degree taught in English Pompeu Fabra University Barcelona, Spain (2014)
- Computer Engineering Bachelor's Degree Pontifical Xavierian University Bogotá, Colombia (2011)

## RESEARCH EXPERIENCE

 Research Assistant Human-Computer Interaction futureWork Project Westphalian University of Applied Sciences Gelsenkirchen, Germany (2019 - Present)

## PUBLICATIONS

 Paper: Facilitating Mind-Wandering Throught Video Games

In: INTERACT 2021 - 18th IFIP TC13 Interanational Conference on Human-Computer Interaction (August 2021) to appear Bari, Italy

- Paper: Full-Body interaction for Live Coding In: International Conference on Live Coding MediaLab Prado (2019) Madrid, Spain
- Paper: Expresiones del XIM: Socializando con un robot no antropomórfico In: Encuadre Magazine (2018) Bogotá, Colombia
- Undergraduate Thesis: Agile ConstruColectiva Agile methodologies using Computer-Supported Cooperative Work (CSCW) In: Expo Poster 2010 Bogotá, Colombia

# TEACHING EXPERIENCE

Two-years and half experience as university lecturer and curriculum designer in the bachelor Digital Media Engineering:

## Programming languages

Lecturer. Following subjects: Artificial Intelligence for Video Games, Virtual Reality, Computer Graphics, OOP and Software Engineering (2016 - 2019) Bogotá, Colombia

#### Object-Oriented Programming (OOP)

Curriculum designer. Object-Oriented Programming for Game Development using the JavaScript library p5.js including concepts such as Classes, Encapsulation, Inheritance, Polymorphism and Collision detection. (2018-2019) Bogotá, Colombia

## TECHNICAL SKILLS

- Programming Languages: C#, Java, JavaScript, Html, CSS, JSON, Node.js, SQL, C/C++.
- Tools: Unity 3D Game Engine, Microsoft Kinect sensor, SPSS Statistics, Arduino, Processing IDE, Open Sound Control (OSC) protocol, Microsoft Project and Eclipse IDE.

## ADDITIONAL QUALIFICATIONS

- Unity 3D Certified Developer: Certification ID. 201707UCD2353 Bogotá, Colombia (2017)
- IELTS Certificate of Proficiency in Academic English Level B2 – Upper Intermediate London, UK (2012)