

JOAQUIN OLLERO GARCIA

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PROFILE

An enthusiastic postgraduate seeking an entry-level position as AI/ML programmer. I hold an MSc in Computer Games Technology (City, University of London, United Kingdom) and a long-term MSc in Computer Engineering (University of Granada, Spain).

My areas of interest are videogames development, machine learning and mobile health systems. I consider myself a passionate of technology, which I think is a form of expression and a tool to improve the world.

EDUCATION

MSC IN COMPUTER GAMES TECHNOLOGY LONDON, UK

CITY, UNIVERSITY OF LONDON

September 2016 – September 2017

Grade: First class (1st) / Distinction (77.94%).

Modules: Object Oriented Programming in C++ (76.4%), Game Development Process (79.2%), Research Methods and Professional Issues (70.6%), Systems Specification (69.9%), Computer Graphics (80.6%), Computer Games Architecture (77.0%), Digital Signal Processing and Audio Programming (85.7%), Game Physics and Artificial Intelligence (83.9%).

Dissertation: “Prediction of Future States of Features Extracted from Deep Reinforcement Learning Networks” (78.0%).

BSC & MSC IN COMPUTER SCIENCE LAUSANNE, SWITZERLAND

ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE

September 2011 – September 2012

1-year Erasmus exchange programme composed by ten modules of the BSc and MSc in Computer Science taught in English and French.

LONG-TERM MSC IN COMPUTER ENGINEERING GRANADA, SPAIN

UNIVERSITY OF GRANADA

September 2008 – September 2016

Grade: Upper second class (2.1) (65.4%).

Dissertation: “Mobile Health System for Evaluation of Breast Cancer Patients during Treatment and Recovery Phases” (95.0%). **Publication:** Ollero, J., Moral-Munoz, J. A., Rojas, I., & Banos, O. (2017, April). “Mobile Health System for Evaluation of Breast Cancer Patients during Treatment and Recovery Phases”. In International Conference on Bioinformatics and Biomedical Engineering (pp. 653-664). Springer, Cham.

WORK EXPERIENCE

ANDROID WEAR AND WEB DEVELOPER REMOTE CONTRACTOR

UNIVERSITY OF TWENTE

June 2017 – October 2017

Developing a system composed by a standalone Android Wear 2.0+ smartwatch application and a Python 3.X, Flask, MongoDB, HTML5, CSS (Bootstrap), JavaScript and chart.js web application allocated in the cloud to monitor cancer and reduced mobility patients.

The system collects data via the sensors of the smartwatch and sends it to the web server application, where it is stored and can be visualized or downloaded as ready-to-work Python 3.X/MatLab scripts.

WEB DEVELOPER (INTERNSHIP) GRANADA, SPAIN

UNIVERSITY OF GRANADA

April 2015 – October 2015

Managing the website of the Vice-Chancellorship of Student Affairs of the University of Granada by creating new content and improving the already existing structure.

SKILLS

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| - C++, Open GL 4.X, GLSL, Bullet, FMOD, SFML. | - Ability of learning and adapting to new technologies and programming languages. |
| - C#, XNA. | - Self-motivation and enthusiast of challenges. |
| - Unity 3D, Unity Machine Learning Agents. | - Team-working and ability to work independently. |
| - Python, Flask, Numpy, Matplotlib.pyplot. | - Creative when solving problems and facing unseen situations. |
| - TensorFlow, Keras. | - Communication and leadership skills: Staff-Student Liaison Committee student representative of MSc in Computer Games Technology (City, University of London). |
| - Java, Android, Android Wear 2.0+. | - Organizational skills, tasks planning and time management. |
| - HTML 5, PHP, CSS, Bootstrap, JavaScript, p5.js, nvd3.js, chart.js. | |
| - MongoDB, MySQL. | |
| - MatLab. | |
| - LaTeX. | |
| - Microsoft Visual Studio, PyCharm, Android Studio. | |

INTERESTS

I enjoy playing videogames and keeping up to date with the latest trends in the games industry. I have always said that I do not play videogames just for fun, but also because they inculcate me with important values. My favourite videogames are “*The Witness*”, “*Metroid Prime*”, “*Portal*” or the “*Halo*” franchise.

Music has always accompanied me throughout my whole life. I usually listen to hundreds of new albums released every year, while I keep track of them in a personal database. Reading and writing has helped me to get to know me better and books like “*Atlas Shrugged*” by Ayn Rand have changed my life.

I collaborate as a community manager in an affiliate marketing company specialised in sports betting, promoting the brand and launching campaigns in different social media networks such as Twitter or Instagram.