Samuel Gomes

Personal Data

Nationality
Portuguese

Birth Date
14/11/95 (24 years old)

Idioms

Portuguese
Birth Language

English
Advanced

Mandarin
Introductory Business Mandarin Course by Portal Martim Moniz

Education

Escola Secundária Leal da Câmara
Grad. Date: June of 2012

Instituto Superior Técnico
o Bachelor in Computers and Inf. Eng.
Grad. Date: July of 2015
o Masters in Computers and Inf. Eng.
Grad. Date: July of 2017

Skills

Programming Languages
Python, C#, C++, Java, HTML, C,
HTML, CSS, JavaScript, JQuery, PHP, SQL,
Prolog, R

Other Data Formats
XML, JSon, MultiDim

Libraries and Frameworks
django, pygame,
d3.js, node.js, express.js,
CUDA, AWS API

Tools
Git (GitKraken, SourceTree),
Unity 3D,
Pentaho Data Integration,
SPSS, FAtiMA Toolkit,
Mongo db, SQLite, Saiku, SQL Server,
Sublime, IntelliJ (IDEA, Rider), Visual Studio
Blender 3D, Inkscape, Krita, Paint.NET,
Audacity

Operational Systems
Linux (Arch), Windows

Specialities

Data Processing and Analysis
o Data Analysis and Integration
o Information Visualization
o Parallel and Distributed Computing
o Cloud Computing and Virtualization

Games
o Computer Graphics
o Artificial Intelligence
o Multimedia Content Production
o Autonomous Agents and Multi-Agent Systems

Other Preferences
o Data and Information Systems Analysis
o 3D Programming

Other Activities

IST: Portfólio 1/2 Management
Coach in the coaching teams

Awards

Merit Diplomas
Associated to the Bachelor and Master Degrees

Excellence Diploma
Associated to the Master Degree

Sintra – Lisboa/Lisbon – Portugal
✉ *samuel.gomes@tecnico.ulisboa.pt* • ⌥ *SamGomes* • **in** *sam-s-gomes*
🌐 *samgomes.github.io* • Ⓢ *sam.s.gomes* • ⑩ *0000-0001-8374-5064*

Work Experience

IST, Inesc-ID, GAIPS

Participation in the LAW-TRAIN project for 7 months

Participation in the AMIGOS project (May of 2018 - December of 2019)

Publications

IEEE CoG

Gomes, Samuel, João Dias, and Carlos Martinho.

"Group Interactions Manager for Multiplayer sErious games"

2019

In:IEEE Conference on Games (CoG) 2019

EPIA

Gomes, Samuel, João Dias, and Carlos Martinho.

"Iterative Parallel Sampling RRT for Racing Car Simulation"

In: Progress in Artificial Intelligence. EPIA 2017

2017

Lecture Notes in Computer Science, vol 10423. Springer, Cham.

Msc Thesis

Gomes S., Dias J., Martinho C.

"Application and Design of GPU Parallel RRT for Racing Car Simulation. Case Study of Iterative Parallel Sampling RRT applied to The Open Racing Car Simulator"

2017

Instituto Superior Técnico

HRI

Correia, Filipa and Mascarenhas, Samuel F and **Gomes, Samuel** and Arriaga, Patrícia and Leite, Iolanda and Prada, Rui and Melo, Francisco S and Paiva, Ana

"Exploring Prosociality in Human-Robot Teams"

2019

In:14th ACM/IEEE International Conference on Human-Robot Interaction (HRI'19)

AAMAS

Santos, Fernando P and Mascarenhas, Samuel F and Santos, Francisco C and Correia, Filipa and **Gomes, Samuel** and Paiva, Ana

"Outcome-based Partner Selection in Collective Risk Dilemmas"

2019

In:Proceedings of the 18th International Conference on Autonomous Agents and MultiAgent Systems

Software X (preprint)

Alves-Oliveira, Patrícia and **Gomes, Samuel** and Chandak, Ankita and Arriaga, Patrícia and Hoffman, Guy and Paiva, Ana

"Software architecture for YOLO, a creativity-stimulating robot"

2019

arXiv preprint arXiv:1909.10823

Extracurricular Activities

HAC 2019/2020

Participation as coordenator in the HAC project (https://www.treetree2.org/hac) since September of 2019

Hack for Good

Participation in Gulbenkian Hack for Good 2017 (https://github.com/SamGomes/hack-for-good-2017)

Hash Code Competitions

Participation in Google Hash Code 2018 (https://github.com/SamGomes/HashCode2018)

Participation in Google Hash Code 2019 (https://github.com/SamGomes/hash-code-2019)