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

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

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

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
- Data Analysis and Integration
- Information Visualization
- Parallel and Distributed Computing
- Cloud Computing and Virtualization

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

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

Other Activities

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

Awards

IST Excellence Diploma
Associated to the Master Degree

IST Merit Diplomas
Associated to the Bachelor and Master Degrees

Work Experience

IST, Inesc-ID, GAIPS

Researcher and developer in the GIMME (PhD) project since January of 2020 (already accepted and granted by FCT)

Research assistant and developer in the AMIGOS project (May of 2018 - December of 2019)

Research assistant and developer in the LAW-TRAIN project (October of 2017 - April of 2018)

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, Samuel, João Dias, and Carlos Martinho.

"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

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

Hack for Good

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

Google HashCode Competitions

Participant in Google HashCode 2018 (https://github.com/SamGomes/hash-code-2018)
Participant in Google HashCode 2019 (https://github.com/SamGomes/hash-code-2019)

Global Game Jams

Participant in GGJ 2018 @ Técnico/Belas-Artes
Participant in GGJ 2019 @ Técnico/Belas-Artes