Samuel Gomes

Personal Data

Nationality
Portuguese

Birth Date
14/11/95 (21 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
- Bachelor in Computers and Inf. Eng.
  Grad. Date: July of 2015
- Masters in Computers and Inf. Eng.
  Grad. Date: July of 2017

Skills

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

Formats
HTML,XML,JSon,MultiDim

Libraries and Frameworks
d3.js, CUDA, AWS Framework

Tools
Git, Maven, Pentaho Data Integration,
Saiku, SQL Server, Mongo db,
Visual Studio, Eclipse, InteliJ,
Inkscape, Gimp, Paint.NET, Photoshop, Audacity

Operational Systems
Windows, Linux

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

Merit Diplomas
Associated to the Bachelor and Master Degrees

Excellence Diploma
Associated to the Master Degree

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Work Experience

Inesc-ID, GAIPS

Participation in the LAW-TRAIN project for 7 months

Participation in the AMIGOS project since May of 2018

Publications

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."

Instituto Superior Técnico, 2017.

EPIA 2017

Gomes, Samuel, João Dias, and Carlos Martinho.

"Iterative Parallel Sampling RRT for Racing Car Simulation."

In: Progress in Artificial Intelligence. EPIA 2017;

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

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