

Curriculum Vitae

PERSONAL INFORMATION

Silvestro Veneruso

EDUCATION

2020 – on going...

Doctorate Degree (PhD) in ENGINEERING IN COMPUTER SCIENCE

Sapienza Università di Roma, Rome (Italy)

Expected end: March 2024

Title: *Learning Human Habits and Discovering Models in Smart Space Scenarios* (NOT definitive)

Keywords: Smart Environments, Data processing, Process Mining, BPM.

2016–2019

Master Degree in ENGINEERING IN COMPUTER SCIENCE

Sapienza Università di Roma, Rome (Italy)

Grade: 110/110 cum laude

Title: *The Effectiveness of Using a Videogame to Increase Users' Awareness of Cybersecurity Issues.*

Keywords: Virtual Reality (VR), Oculus Rift, Unreal Engine, videogames.

2012–2016

Bachelor Degree in ING. INFORMATICA

Sapienza Università di Roma, Rome (Italy)

Title: *ForgetMeNot: Progettazione e realizzazione di un'applicazione Android.*

Keywords: SW development, mobile applications, Android.

WORK EXPERIENCE

2023 – on going... (10 months)

SW Quality Assurance advisor

SW quality advisor for an aerospace-related project of Thales Alenia Space in collaboration with Sapienza University of Rome. Expected end: December 2023.

Website: <https://www.thalesaleniaspace.com/it>

2020 – on going... (3 years)

SW Development Manager

SW Development Manager for the back-office web-based application of the NOTAE project. This project has received funding from the European Research Council (ERC) under the European Union's Horizon 2020 research and innovation programme.

Expected end: December 2023. Website: <https://notae-project.digilab.uniroma1.it/>

2019–2020 (12 months)

Assistant Researcher

Sapienza Università di Roma, Rome (Italy)

2016–2017 (6 months)

Software Developer

Progetto PA, Rome, Italy. Website: www.progettopa.it

- Development of web applications in a Microsoft environment for the public administration. Visual Studio 2010, SQL Server 2008, C#, VB, .NET
- Development of new features, maintenance, and support of the INPS Communication Portal (intranet application for INPS employees only)

Teaching e project-related activities:

- 2023
 - Teaching for ITS Lazio Digital for the Software Analysis and Design Methodologies (UML) course
 - Tutoring of the Software Design course at Sapienza University of Rome
 - Assistance for exams in the Software Design course at Sapienza University of Rome
- 2022
 - Tutoring of the Software Design course at Sapienza University of Rome
 - Assistance for exams in Database Management, Software Engineering, and Software Design courses at Sapienza University of Rome
- 2021
 - Tutoring of the Software Engineering course at Sapienza University of Rome
 - Teaching for the Coding Girls project. Duration: 3 months, held remotely
 - Assistance for exams in Database Management, Software Engineering, and Software Design courses at Sapienza University of Rome
- 2020
 - Seminar for the Human-Computer Interaction Master's Degree course at Sapienza University of Rome
 - Assistance for exams in Database Management courses at the Sapienza University of Rome
- 2019
 - Seminar for the OpenDIAG event at Sapienza University of Rome. Welcome event for potential new high school students.
 - Assistance for exams in Databases Management and Software Engineering courses at the Sapienza University of Rome

Research production:

- LS Ferro, A Marrella, S Veneruso, M Mecella, and T Catarci. 2019. **An interactive learning experience for cybersecurity related issues**. In *CHIItaly '19: Workshop on Human-centered cybersecurity*, September 23, 2019, Padova, Italy. ACM, New York, NY, USA, 4 pages.
- Veneruso, S., Ferro, L. S., Marrella, A., Mecella, M., & Catarci, T. (2020). **A game-based learning experience for improving cybersecurity awareness**. In *ITASEC* (pp. 235-242).
- S Veneruso, LS Ferro, A Marrella, M Mecella, and T Catarci. 2020. **CyberVR - An Interactive Learning Experience in Virtual Reality for Cybersecurity Related Issues**. In *International Conference on Advanced Visual Interfaces (AVI '20)*, September 28-October 2, 2020, Salerno, Italy. ACM, New York, NY, USA, 8 pages. <https://doi.org/10.1145/3399715.3399860>
- S Veneruso, T Catarci, LS Ferro, A Marrella, and M Mecella. 2020. **V-DOOR: A Real-Time Virtual Dressing Room Application Using Oculus Rift**. In *International Conference on Advanced Visual Interfaces (AVI '20)*, September 28-October 2, 2020, Salerno, Italy. ACM, New York, NY, USA, 3 pages. <https://doi.org/10.1145/3399715.3399959>
- L Esposito, S Veneruso, F Leotta, F Monti, JG Mathew, M Mecella. 2021. **Unsupervised Segmentation of Human Habits in Smart Home Logs Through Process Discovery**. *ITBPM 2021*.
- E Bernasconi, M Boccuzzi, T Catarci, M Ceriani, A Ghignoli, F Leotta, M Mecella, A Monte, N Sietis, SV Veneruso, Z Ziran. **Exploring the Historical Context of Graphic Symbols: the NOTAE Knowledge Graph and its Visual Interface**. *IRCDL*, 2021.
- F Leotta, S Veneruso. 2021. **VPM: Analyzing Human Daily Habits through Process Discovery**. *Proceedings of the Best Dissertation Award, Doctoral Consortium, and Demonstration & Resources Track at BPM 2021 co-located with 19th International Conference on Business Process Management (BPM 2021)*, Rome, Italy, September 6th - to - 10th, 2021
- E Bernasconi, M Boccuzzi, T Catarci, M Ceriani, A Ghignoli, F Leotta, M Mecella, A Monte, N Sietis, SV Veneruso, Z Ziran. **NOTAE: NOT A writtEn word but graphic symbols**. *RCIS*, 2022
- L Esposito, F Leotta, M Mecella, S Veneruso (2022). **Unsupervised Segmentation of Smart Home Logs for Human Habit Discovery**. In *2022 18th International Conference on Intelligent Environments (IE)* (pp. 1-8). IEEE.
- Y Bertrand, B Van den Abbeele, S Veneruso, F Leotta, M Mecella, E Serral Asensio (2022). **A Survey on the Application of Process Mining to Smart Spaces Data**. *Lecture Notes in Business Information Processing*.
- Veneruso, S., Bertrand, Y., Leotta, F., Serral, E., & Mecella, M. (2023). **A model-based simulator for smart homes: Enabling reproducibility and standardization**. *Journal of Ambient Intelligence and Smart Environments (JAISE)*, 15(2), pp. 143-166.
- Leotta, Francesco, Massimo Mecella, and Silvestro Veneruso. **Unsupervised Segmentation of Smart Home Position Logs for Human Activity Analysis**. *2023 19th International Conference on Intelligent Environments (IE)*. IEEE, 2023.
- Y Bertrand, B Van den Abbeele, S Veneruso, F Leotta, M Mecella, E Serral Asensio (2023). **A survey on the application of process discovery techniques to smart spaces data**. *Journal of Engineering Applications of Artificial Intelligence (EAAI)*, Volume 126, Part A, <https://doi.org/10.1016/j.engappai.2023.106748>.