

PERSONAL INFORMATION

Andrea Dimitri



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Sex Male | Date of birth 26/02/1970 | Nationality Italian

JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED FOR

Specialized knowledge and skills acquired in more than 25 years of uninterrupted activity in the fields of Artificial Intelligence, Machine Learning, Information and Communication Technologies, Security of Distributed Applications, Application tracing Systems, Data Analysis, Anomaly Detection Systems. Acting as Senior Programmer and Project Leader for public and private companies. University teacher in the Master's Degree Course in Computer Science and in various II level masters. Professor of the Artificial Intelligence and machine learning course at the Unicusano University. Graduated in Statistics and Economics with honors.

WORK EXPERIENCE

From 2021 to now

Professor of the Artificial Intelligence and machine learning course at the Unicusano University in the master's degree in Computer Engineering

From 2021 to now

Consultant for some public and private companies (names available upon request) for the design and execution of corporate training courses concerning Business Intelligence, Big Data Analytics, machine learning, frontend development. Automation of processes on CRM via python. Cybersecurity.

From 2021 to now

Consultant for some public and private companies (names available upon request) for the design and execution of company training courses concerning programming at any level in Java, C++, C-sharp, python, javascript-typescript-angular.

From 2020 to 2021

Permanent employee at the INUIT Foundation. I dealt with risk analysis systems and design and implementation of innovative platforms for cooperation.

From 2019 to 2022

Professor of the Information Technology course (INF/01) at the *Saint Camillus International University of Health and Medical Sciences (UniCamillus)* in Rome.

From 2019 to 2022

Professor of the Data Processing Systems (ING-INF/05) at the *Saint Camillus International University of Health and Medical Sciences (UniCamillus)* in Rome.

From 2015 to 2019

Employee at the Tor Vergata University for the development of the European Student Card by a mobile app.

From 2016 to now

INUIT Foundation – University of Rome Tor Vergata. Executive Master in Criminology and Cybersecurity. Lecturer and professor of data mining

2015

ZeroClock s.r.l. – Writing of an assessment for a government CERT (Computer Emergency Response Team).

- 2015** IrpiniaNet. Design and implementation of a monitoring and anomaly detection system.
- From 2013 to 2014.** Consiter s.r.l. – Planning and development of a multiplatform APP for the remote control of PCs.
- From 2013 to 2014.** University of Rome Tor Vergata – Temporary Research Contract – Study and development of a learning algorithm for the causal analysis of e-health data.
- From 2009 to now.** University of Rome Tor Vergata - From 2005 to 2009 lecturer on the “Languages for the Security of Cooperative Information Systems” at the faculty of Engineering, University of Rome Tor Vergata. From 2009 lecturer on the II Level Master in "Information Security and Privacy Preservation" (<http://www.mastersicurezza.uniroma2.it/docenti.html>). From 2010 lecturer on the ‘Security of Information Systems’ and ‘Statistical Inference and Information Theory’ at the University of Rome Tor Vergata.
- From 2003 to 2013.** Nestor s.c.a.r.l. – Project manager for the planning and development of systems of application documentation and anomaly detection for the following information systems: AIRE (Anagrafe degli Italiani Residenti all’Estero), INA (Indice Nazionale delle Anagrafi), SIAN (Sistema Informativo Agricolo Nazionale) and CIE (Carta d’Identità Elettronica). Development of authentication systems based on a hardware ID of an apparatus, calculated at run time.
- From 1998 to 2003.** Algotech Sistemi s.r.l. – Senior Programmer – Development of tracing and monitoring systems for the management of Telecom physical networks. Development of a system for certification of application data flows for Finsiel (SIM: Sistema Informativo della Montagna).
- 1997** Esri Italia SpA – Junior Programmer – Development of geographical databases for ACEA and AMA (Italian public Companies).
- 1996** University of Rome La Sapienza - Temporary Research Contract for the study and development of a learning algorithm for the causal analysis for data defined in a multidimensional space.

EDUCATION AND TRAINING

- 2002** II Level Master degree in "Information Technology" with full marks and honour.
- 1995** Graduate in Statistics with full marks and honour – Univ. Of Rome La Sapienza.
Thesis: “Languages for the correlation analysis of spatial data”. “Bulletin of Best Thesis”, Department of Statistics, Probability and Applied Statistics (Series E, Year 1995).
- 1989** Stenography: first classified in national many races.
- 1989** ITC ind. Mercantile Duca degli Abruzzi. Grade: 60/60.

PERSONAL SKILLS

MOTHER TONGUE Italian

OTHER LANGUAGE(S)

| | UNDERSTANDING | SPEAKING | WRITING |
|--|---------------|----------|---------|
| | | | |

| | LISTENING | READING | SPOKEN INTERACTION | SPOKEN PRODUCTION | |
|---------|------------|------------|--------------------|-------------------|------------|
| ENGLISH | ADVANCED | ADVANCED | ADVANCED | ADVANCED | ADVANCED |
| FRENCH | ELEMENTARY | ELEMENTARY | ELEMENTARY | ELEMENTARY | ELEMENTARY |

- COMMUNICATION SKILLS** Team spirit acquired through years of experience. Availability to follow special needs of the Company and to interact productively with colleagues and collaborators. Capability to interact with customers and understand their requirements.
- JOB-RELATED SKILLS** Development of software for remote control of Pc with respect to a distributed application. This means development of applications installed in more than 60000 Pc and used to know the state of a Pc, to send messages, to install components, all with a minimal impact.
- COMPUTER SKILLS** **Programming languages:** strong knowledge of programming languages C, C++, C# Java and python. **Database:** conceptual planning (E-R schema), logical and physical planning, SQL language, knowledge of the main DBMS and correlated software packages, ODBC techniques, management of geographical databases.
Web: planning, development and promotion of web sites. Knowledge of the follow web programming languages: HTML, Javascript, Vbscript, php, ASP, applet Java, CGI in C, C++ o Java, Interaction with DBMS.
 Client/Server and network programming.
 Method for the management of the life cycle of the software.
 Tools case for software development.

Security: knowledge of main algorithms of symmetric and asymmetric cryptography; strong knowledge in security network protocols (SSL, TLS, HTTPS). Development of libraries for information security.
Knowledge of the OPENSSL environment, of the OPENCA environment for the development and management of PKI. Knowledge of digital certificates X509 and protocols for their management (OCSP, etc.).
- OTHER SKILLS** Expert in history of the roman campaign. Author of two books, sponsored by BCC. Creator of a web site about roman campaign with more than 48000 visits and max ranking on Google.
- DRIVING LICENCE** Cat. B from 1989.
- ADDITIONAL INFORMATION**

 - PUBLICATIONS** Author of more than 15 scientific papers in data analysis, information security. List of publications follows..
 - PRESENTATIONS**
 - PROJECTS** In April 2015 has been appointed Mentor in the area of Intelligence – Big Data Analytics on CINI Cyber Security National Lab for the “Consorzio Interuniversitario Nazionale per l’Informatica” (Fondazione INUIT 2015).
 - CONFERENCES**
 - SEMINARS**
 - HONOURS AND AWARDS**
 - MEMBERSHIPS**
 - REFERENCES**

In compliance with the Italian legislative Decree no. 196 dated 30/06/2003, I hereby authorize you to use and process my personal details contained in this document.

Appendix A. List of publications.

- A. Dimitri
An extension of the relational model to permit spatial data representation. “Bollettino delle migliori Tesi”, Dipartimento di Statistica, Probabilità e Statistiche Applicate (Serie E, Anno 1995), Univ. La Sapienza, Roma.
- Maurizio Talamo, Franco Arcieri, Andrea Dimitri, Simone Bonazzoli.
A GRID evaluation methodology for security. Technical Report 03/05, University of Tor Vergata – Nestor Lab.
- Franco Arcieri, Andrea Dimitri, Simone Bonazzoli,
The GRID “Architectures” and their security. Technical Report 39/04, University of Tor Vergata – Nestor Lab.
- Franco Arcieri, Mario Ciclosi, Andrea Dimitri, Fabio Fioravanti, Enrico Nardelli, Maurizio Talamo.
The Italian Electronic Identity Card: overall architecture and IT infrastructure. Proc. of the 2nd International Workshop on Certification and Security in Interorganizational E-Services (CSES-04).
- Andrea Dimitri, Franco Arcieri
A prevention strategy for security: a bayesian approach to anomaly detection. IFIP International Federation for Information Processing. Springer Boston 2005.
- Arcieri F., Dimitri A., Fioravanti F., Nardelli E., Pallucca K., Postiglione A., TALAMO M. (2005)
An Infrastructural Approach to Secure Interoperability of Electronic Ids: The Bridging Backbone. Electronic Government: 4th International Conference, EGOV 2005. August 22-26, 2005. (vol. LNCS 3591 / 2005, pp. 291-299).
- Talamo A., Centorrino F., Tondo L., Dimitri A., et al
Comorbid substance-use in schizophrenia: Relation to positive and negative symptoms. Schizophr Res. 2006.
- Talamo A., Centorrino F., Tondo L., Dimitri A., et al
Reply to Potvin et. Al. 2006 regarding comorbid substance-use in schizophrenia. Schizophr Res. 2007 Feb;90(1-3):353-4.
- Dimitri A., Talamo M.
A Meta Analysis Framework based on Hierarchical Mixture Model. Advances and Applications in Statistics. Volume 7, Issue 3, Pages 341 - 356 (December 2007)
- Talamo, M., Arcieri, F., Della Penna, G., Dimitri, A., Intrigila, B., Magazzeni, D.
Robustness and interoperability problems in security devices. In: Proceedings of 4th International Conferences on Information Security and Cryptology, INSCRYPT 2008. (2008)
- Talamo, M., Arcieri, F., Della Penna, G., Dimitri, A., Intrigila, B., Magazzeni, D.
Verifying extended criteria for the interoperability of security devices. In: Proceedings of 3rd International Symposium on Information Security, IS08. LNCS vol.5332, Springer (2008) 1131–1139.
- Dimitri A., Talamo M. ed altri
Modelli di cooperazione e reti sociali: metodi e strumenti di progetto
Aracne Editrice S.r.l. Luglio 2009
- Dimitri A., Talamo A. ed altri
Is season of birth related to developmental dyslexia? - Ann. of Dyslexia - May 2010
The International Dyslexia Association 2010
- Moroni A., Talamo M., Dimitri A.
Adoption factors of NFC Mobile Proximity Payments in Italy.
MobileHCI 2015: 393-399.

- Dimitri A., Talamo A.
Un modello di data mining orientato ai sistemi complessi.
R.P. Lab. Nazionale Cyber Security. Fondazione CINI. Rome 15 June 2015.
- Dimitri A., Caruso C., M. Mecella
Identity Mining Vs identity Discovering: a new approach based on data mining in the context of Big Data.
Open Identity Summit 2016.
- S. Ramachandran, A. Dimitri, M Galinium, M. Tahir, I. V. Ananth, C. H. Schunck and M. Talamo
Understanding and granting Android permissions: A user survey. ICCST 2017. ITASEC 2017.
- Andrea Dimitri and Maurizio Talamo (2018). The use of data mining and machine learning in nanomedicine: A survey. Front Nanosci Nanotech 4: DOI: 10.15761/FNN.1000S1004