PERSONAL INFORMATION

Valentina Tibollo

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Sex Female | Date of birth ███████ | Nationality Italian

WORK EXPERIENCE

September 2014 – present

Software Engineer

Istituti Clinici Scientifici Maugeri, Via Maugeri 10, 27100 Pavia, Italy – www.icsmaugeri.it

▪ Application and system developer

Business or sector IT in Healthcare

October 2009 – September 2014

Junior Software Engineer

IRCCS Salvatore Maugeri hospital, Via Maugeri 10, 27100 Pavia, Italy – www.fsm.it

▪ Java developer

Business or sector IT in Healthcare

January 2013 – June 2013

Software Engineer Consultant

University of Pavia, Via A. Ferrata 1, 27100 Pavia, Italy

▪ Application design and development

Business or sector IT in Healthcare

March 2012 – June 2012

Junior Software Engineer

University of Pavia, Via A. Ferrata 1, 27100 Pavia, Italy

▪ Clinical data warehouse supporting reserch

Business or sector IT in Healthcare

January 2014 – June 2014

Substitute Teacher

Istituto tecnico ITIS Cardano, 27100 Pavia

▪ Physics teacher

Business or sector Education

EDUCATION AND TRAINING

December 2006 – July 2009

Master Degree in Biomedical Engineering (110/110 L)   EQF level: 7

University of Pavia, faculty of biomedical engineering

▪ Specialization in computer science, medical informatics and data mining

September 2003 – December 2006

Bachelor Degree in Biomedical Engineering (110/110 L)   EQF level: 6

University of Pavia, faculty of biomedical engineering

▪ Specialization in computer science, medical informatics and data mining

PERSONAL SKILLS

Mother tongue(s)	Italian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C1	C1	C1
FCE (First Certificate in English)				

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills
- strong communication skills, proved experiences as teacher
- strong and active collaboration with national and international teams, consultants, research scientists, IT developers and team members to achieve technical project aims

Organisational / managerial skills
- strong organisational skills
- experience in development, integration and management of clinical data warehouse solutions
- results and objectives oriented

Job-related skills
- excellent knowledge and deep interest in data integration, integration patterns and systems, complex data models
- very strong experience in data model design and data requirements analysis
- NLP experience for oncological concepts recognition in not structured text reports
- ability in working in multi-cultural team

Computer skills
- Databases: Oracle, MySQL,
- Databases NoSQL: MongoDB
- Data integration and ETL processes: Penthao ETL suite
- Business Intelligence: Penthao BI suite
- Programming Languages, web development and frameworks: Java, JavaScript, HTML5, REST web services, jQuery, Google GWT, SmartGWT, SVN, GitHub, AngularJS, RedCap
- IDE: Eclipse
- Web Server: Apache Tomcat
- Data mining and statistical software: R, Matlab
- Deep knowledge in data warehousing (i2b2, OMOP CDM)

Driving licence
A,B

ADDITIONAL INFORMATION

Publications

- Buonocore T.M., Parimbelli E., Tibollo V., Napolitano C., Priori S., Bellazzi R. A Rule-Free Approach for Cardiological Registry Filling from Italian Clinical Notes with Question Answering Transformers (2023) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 13897 LNAI, pp. 153 - 162, DOI: 10.1007/978-3-031-34344-5_19

- Barkan E., Porta C., Rabinovici-Cohen S., Tibollo V., Quaglini S., Rizzo M. Artificial intelligence-based prediction of overall survival in metastatic renal cell carcinoma (2023) Frontiers in Oncology, 13, art. no. 1021684, DOI: 10.3389/fonc.2023.1021684

- Truffi M, Sottotetti F, Gafni N, Albasini S, Piccotti F, Morasso C, Tibollo V, Mocchi M, Zanella V, Corsi F. Prognostic Potential of Immune Inflammatory Biomarkers in Breast Cancer Patients Treated with Neoadjuvant Chemotherapy. Cancers (Basel). 2022 Oct 27;14(21):5287. doi: 10.3390/cancers14215287. PMID: 36358706

- Dagliati A, Gatta R, Malovini A, Tibollo V, Sacchi L, Cascini F, Chiovato L, Bellazzi R. A Process Mining Pipeline to Characterize COVID-19 Patients' Trajectories and Identify Relevant Temporal Phenotypes From EHR Data. Front Public Health. 2022 May 23;10:815674. doi: 10.3389/fpubh.2022.815674. PMID: 35677768

- Dagliati A, Sacchi L, Zambelli A, Tibollo V, Pavesi, L, Holmes J, Bellazzi R, Temporal electronic phenotyping by mining careflows of breast cancer patients. Journal of biomedical informatics,66,136-147,2017,Academic Press

- Viani N, Larizza C, Tibollo V, Napolitano C, Priori SG, Bellazzi R, Sacchi L, Information extraction from Italian medical reports: An ontology-driven approach. International journal of medical informatics,111,140-148,2018,Elsevier

- Dagliati A, Sacchi L, Tibollo V, Cogni G, Teliti M, Martinez-Millana A, Traver V, Segagni D, Posada J, Ottaviano M, A dashboard-based system for supporting diabetes care. Journal of the American Medical Informatics Association,25,5,538-547,2018,Oxford University Press

- Dagliati A, Tibollo V, Cogni G, Chiovato L, Bellazzi R, Sacchi L, Careflow Mining Techniques to Explore Type 2 Diabetes Evolution. Journal of diabetes science and technology,12,2,251-259,2018,"SAGE Publications Sage CA: Los Angeles, CA

- Dagliati A, Tibollo V, Sacchi L, Malovini A, Limongelli I, Gabetta M, Napolitano C, Mazzanti A, De Cata P, Chiovato L, Big Data as a driver for Clinical Decision Support Systems: a Learning Health Systems perspective. Frontiers in Digital Humanities,5,8,2018,Frontiers

- Pinto S, Waki K, Chiovato L, De Cata P, Dagliati A, Tibollo V, Ruvolo G, Bellazzi R, Smartphone-Based Self-Management of Non-Insulin-Dependent Diabetes: A Japanese System at Use by an Italian Patients' Cohort. Journal of diabetes science and technology,12,4,903-904,2018,"SAGE Publications Sage CA: Los Angeles, CA

- Teliti M, Cogni G, Sacchi L, Dagliati A, Marini S, Tibollo V, De Cata P, Bellazzi R, Chiovato L, Risk factors for the development of micro-vascular complications of type 2 diabetes in a single-centre cohort of patients, Diabetes and Vascular Disease Research,15,5,424-432,2018,"SAGE Publications Sage UK: London, England

- Segagni D, Tibollo V, Dagliati A, Malovini A, Zambelli A, Napolitano C, Priori SG, Bellazzi R. Clinical and research data integration: the i2b2-FSM experience. AMIA Jt Summits Transl Sci Proc. 2013 Mar 18;2013:239-40.

- Segagni D, Tibollo V, Dagliati A, Zambelli A, Priori SG, Bellazzi R. An ICT infrastructure to integrate clinical and molecular data in oncology research. BMC Bioinformatics. 2012 Mar 28;13 Suppl 4:S5.

- Segagni D, Tibollo V, Dagliati A, Perinati L, Zambelli A, Priori S, Bellazzi R. The ONCO-I2b2 project: integrating biobank information and clinical data to support translational research in oncology. Stud Health Technol Inform. 2011;169:887-91.

- Segagni D, Ferrazzi F, Larizza C, Tibollo V, Napolitano C, Priori SG, Bellazzi R. R engine cell: integrating R into the i2b2 software infrastructure. J Am Med Inform Assoc. 2011 May 1;18(3):314-7.

Projects

International projects:

- **MobiGuide: guiding patients anytime everywhere** (31/10/2011-01/11/2015 - http://www.mobiguide-project.eu/). ICT and telemedicine FP7 founded project. Technical support during test phase, nurse training about technical stuffs

- **MOSAIC: Models and simulation techniques for discovering diabetes influence factors** (01/01/2013 - 30/04/2016 - http://www.mosaicproject.eu/). ICT FP7 founded program . Design and development of electronic medical record, data warehouse managing and updating process, data analysis

- **CAPABLE (Cancer Patients Better Life Experience)** (01/01/2020 – 31/12/2023 - https://capable-project.eu/) CAPABLE project received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 875052.
- **SAALUS (Smart Ambient Assisted Living Ubiquitous System)** Bando MISE DM 5/3/2018 Capo II Ente finanziatore: Ministero dello Sviluppo Economico (01/06/2022-01/06/2025)

Research Information

- **ORCID ID:** 0000-0003-2687-3822
- **SCOPUS** Author ID: 39763027500
- **H-Index:** 16 (Scopus)