

CURRICULUM VITAE

DAVID BERTI

Senior HMI Technical Designer

A.A. 2025-2026

WORK EXPERIENCE

March 2017 – Present

ART S.p.A.

Senior HMI Technical Designer

Passignano sul Trasimeno, Umbria, Italy

2024 - Present

Università degli Studi di Perugia

Adjunct Professor

Perugia

March 2015 – February 2017

Freelancer

Communications & Design Consultant

Italy

January 2014 - April 2014

IDS & UNITELM S.R.L.

User Experience Designer Jr.

Rome, Latium, Italy

August 2012 - August 2012

Angelantoni Test Technologies Intern

Massa Martana, Umbria, Italy

EDUCATION

2013-2014 / Perugia, Umbria, Italy

Università per Stranieri di Perugia

Master in Information Architecture

2009-2012 / Perugia, Umbria, Italy

Università degli Studi di Perugia

Applied Linguistics Mediation

Thesis Topic "The Sapir-Whorf Hypothesis and its recent developments"

LANGUAGES

Italian (mothertongue),
English (professional),
Spanish (limited),
French (limited).

NOTABLE MEMBERSHIPS

2023 November - 2024 December

ACM - Association for Computing Machinery, Italy

Professional Member

2021 - Present

AIDP – Associazione Italiana Direzione Personale, Umbria, Italy

Member, Regional Representative for Young Members (2022-2024)

2014 – 2020

UXBKPG – User Experience Book Club Perugia, Italy

Collaboration with other ex-students and Professors of Università Per Stranieri di Perugia. Launch event, coordinated with the help of Prof. Luca Rosati, was hosted in Palazzina Valitutti, in the presence of Rector Prof. Giovanni Paciullo.

Founder, Coordinator, Chairman

AWARDS & NOMINATIONS

2024

Nomination as Contract Professor

Department of Mathematics and Computer Science, University of Perugia, Umbria, IT

2022

Nomination as Professor in "Albo Formatori"

ITS Umbria Academy

2015

Nomination as Honorary Fellow in Virtual Reality Systems

Department of Mathematics and Computer Science, University of Perugia, Umbria, IT

PUBLICATIONS

2025

Perri, D., Martinelli, S., Gervasi, O., Berti, D., di Montorio, G.Z.R. (2026). **Digital Heritage to Improve Accessibility and Break Down Architectural Barriers**. In: Gervasi, O., et al. Computational Science and Its Applications – ICCSA 2025 Workshops. ICCSA 2025. Lecture Notes in Computer Science, vol 15898. Springer, Cham.

Link: https://doi.org/10.1007/978-3-031-97657-5_14

“Atlante”

Cortometraggio; Regia, Editing, Musiche.

2023

Topic: “Rare Earth Elements: China and the Geopolitics of Strategic Minerals”

GEOPOLITICA - Rivista di Politica Internazionale - Vol. XII - n.1/2023 GENNAIO-GIUGNO - MediaBooks – Callive. Part of ISSN: 2009-9193

Contributors: David Berti; Tiberio Graziani; Fabrizio Vielmini

2013

“Produttività Digitale”

Sandit Edizioni

Book, ISBN 978-8897599388

SERVICES

2025 June-July

Program Committee Member for the following sessions: "Advanced and Innovative Web Apps" (AIWA 2025); "Virtual Reality and Augmented reality and applications" (VRA 2025). The ICCSA Conference offers an opportunity to discuss new issues, tackle complex problems and find advanced solutions to enable shaping new trends in Computational Science. In Collaboration with Department of Mathematics and Computer Science, University of Perugia, Umbria, IT.

Galatasaray University, Istanbul, Türkiye

2024 July

Program Committee Member for the following sessions: "Advanced and Innovative Web Apps" (AIWA 2024); "Virtual Reality and Augmented reality and applications" (VRA 2024). The ICCSA Conference offers an opportunity to discuss new issues, tackle complex problems and find advanced solutions to enable shaping new trends in Computational Science. In Collaboration with Department of Mathematics and Computer Science, University of Perugia, Umbria, IT

Thuyloi University, Hanoi, Vietnam

2024 June

Delegate participant at Car.HMI Europe 2024

International knowledge exchange platform bringing together all stakeholders leading the technical and design future of automotive HMI and UX.

Berlin

2023 September

AutoUI23 - 16th International ACM Conference on Automotive UI, Ingolstadt (DE)

Paper Reviewer

Perugia

2023 May

Jury Member for "Impresa in Azione" per i Campionati di Imprenditorialità organizzati da Junior Achievement Italia, in rappresentanza AIDP Umbria.

Perugia

TEACHING ACTIVITIES

2024 September – 2025 January

Course "Laboratorio di Interazione Umano-Macchina" as Contract/Adjunct Professor
Dipartimento di Matematica e Informatica – Università degli Studi di Perugia

2024 November

Professor for Course on Topic "Introduction to HMI Design".
ITS Umbria Academy, Foligno.

2024 May

Seminar on Topic: "Uomo, Tecnologia, Territorio": Effetti dei Macrotrend Globali dell'Industria Automobilistica sulla Società.
Seminario SITUM (Scuola di Innovazione Tecnologica Umanistica Manageriale)
Contributors: David Berti; Prof. Carlo Andrea Bollino

2023 December

Lecturer for the Human-Computer Interaction Laboratory for Course in Programming and Management Of Computer Systems.
Department of Mathematics and Computer Science, University of Perugia, Umbria, IT

2023 May

Seminar on Topic: "Uomo, Tecnologia, Territorio": Effetti dei Macrotrend Globali dell'Industria Automobilistica sulla Società.
Seminario SITUM (Scuola di Innovazione Tecnologica Umanistica Manageriale)
Contributors: David Berti; Prof.ssa Micol Bronzini

2023

Professor for Course on Topic: "Blender: designing the emotional side of 3D Graphics: Lighting and Color Management in the 3D World"

ITS Umbria Academy, Perugia

2022 September

Professor for Course on Topic: "Computer Graphics and Kanzi Studio for Automotive Interfaces"

ITS Umbria Academy

2022 April

Professor for Course on Topic: "Rendering and Color Management in Blender"

ITS Umbria Academy

2022 March

Subject Expert for Human-Computer Interaction Course.

Department of Mathematics and Computer Science, University of Perugia, Umbria, IT

2021 July

Visiting Lecturer on topic "Automotive User Experience".

Department of Mathematics and Computer Science, University of Perugia, Umbria, IT

2021 March

Teaching Fellow for the Course in Human-Computer Interaction.

Department of Mathematics and Computer Science, University of Perugia, Umbria, IT

2020 June

Seminar as Honorary Fellow on the topic "Automotive User Experience: an emerging job opportunity".

Department of Mathematics and Computer Science, University of Perugia, Umbria, IT

2020 Spring

Teaching Fellow for the Course in Human-Computer Interaction.

Department of Mathematics and Computer Science, University of Perugia, Umbria, IT

2016 June and July

Visiting Lecturer and Tutor for Summer Exchange Programmes - involving students from Baptist University of Hong Kong.

Department of Mathematics and Computer Science, University of Perugia, Umbria, IT

2016 Spring

Visiting Lecturer for Virtual Reality Systems Course - Submodule of Human-Computer Interaction.

Department of Mathematics and Computer Science, University of Perugia, Umbria, IT

2015 November and December

Visiting Lecturer for course "Elementi di Informatica Grafica". Held a submodule about Interface Design, in collaboration with Prof. Luca Grilli.

Department of Engineering, University of Perugia: Perugia, Umbria, IT

2015 June and July

Visiting Lecturer and Tutor for Summer Exchange Programmes - involving students from Baptist University of Hong Kong.

Department of Mathematics and Computer Science, University of Perugia, Umbria, IT

2015 Spring

Visiting Lecturer for Virtual Reality Systems Course - Submodule of Human-Computer Interaction.

Department of Mathematics and Computer Science, University of Perugia, Umbria, IT

2014 June and July

Visiting Lecturer and Tutor for Summer Exchange Programmes - involving students from Baptist University of Hong Kong.

Department of Mathematics and Computer Science, University of Perugia, Umbria, IT

SUPERVISED STUDENT PUBLICATIONS

2025

Thesis Topic: “Applicazioni dell'Image Processing nel Campo Automotive”.

Dipartimento di Matematica e Informatica – Università degli Studi di Perugia.

Contributors: David Berti; Sara Conti; Prof. Gianluca Vinti

2023

Thesis Topic: “Benchmarking di prodotto: analisi dei sistemi infotainment attraverso un modello di valutazione dell'user experience”.

Facoltà di Scienze Politiche, Sociologia, Comunicazione Dipartimento di Comunicazione e Ricerca sociale Corso di laurea in Organizzazione e Marketing per la comunicazione d'impresa.

Contributors: David Berti; Giuseppe Franco; Prof.ssa Cecilia Grieco.

2023

Thesis Topic: “Sviluppo di un Applicativo Basato su Object Detection e Sensori IMU per il Rilevamento di Dissesti nel Manto Stradale”.

University of Perugia, Engineering Department, Degree course in Computer engineering and robotics

Contributors: David Berti; Gianluigi Crocioni; Prof. Paolo Valigi.

2023 June

Thesis Topic: “Structuring and Development of an ADAS System based on Object Detection techniques and SLAM for driving assistance in proximity of traffic light junctions”.

University of Perugia, Engineering Department, Degree course in Computer engineering and robotics.

Contributors: David Berti; Edoardo Miroballo; Prof. Paolo Valigi.

2023 February

Master Degree Thesis Topic: "Development and Testing for an ADAS system based on Wheater and Inertial Data".

University of Perugia, Engineering Department, Degree course in Computer engineering and robotics.

Contributors: David Berti; Lorenzo Budelli; Prof. Paolo Valigi.

2022 October

Degree Thesis Topic: "Development of a Localization API for an Automotive infotainment".

University of Perugia, Engineering Department - Degree course in Computer science and electronic engineering.

Contributors: David Berti; Nicola Cucina; Prof. Luca Grilli.

2022 September

Master Degree Thesis Topic: "Testing Automation for infotainment systems: the evolution of in-car infotainment systems and automating their validation through Python scripting".

University of Perugia, Engineering Department, - Degree course in Computer engineering and robotics.

Contributors: David Berti; Edoardo Boccali; Prof. Paolo Valigi.

2022 April

Master Degree Thesis Topic: "preventing collisions with wild animals through deep learning and neural network for on-board safety"

University Of Perugia, Department of Mathematics and Computer Sciences, Master Degree in Computer Science.

Contributors: David Berti; Aniello Coscione; Prof. Osvaldo Gervasi.

2022 February

Master Degree Thesis Topic: "Car Diagnostics with Amazon Alexa".

University Of Perugia, Department of Mathematics and Computer Sciences, Master Degree in Computer Science.

Contributors: Alex Dominici; David Berti; Prof. Osvaldo Gervasi, Dott. Damiano Perri.

2022 February

Master Degree Thesis Topic: "Exploration of novel approaches to convey 3D effects in automotive user interfaces".

Department of Cognitive Psychology and Ergonomics; Faculty of Behavioural, Management and Social Sciences, University of Twente.

Contributors: David Berti; Dr. Simone Borsci; Dr. Martin Schmettow; Andrea Narciso.

2022 February

Master Degree Thesis Topic: "Towards a framework for the early-stage assessment of infotainment systems for luxury cars".

University Of Twente, Human Factors and Engineering Psychology; Faculty of Behavioural, Management, and Social Science, University Of Twente.

Contributors: David Berti; Dr. Simone Borsci; Marlise Westerhof; Andrea Narciso.