Diego Calanzone

Computer scientist. Graduate AI student and researcher in Deep Learning.
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EDUCATION

University of Trento   Trento, Italy
M.Sc. Artificial Intelligence Systems   *Sept. 2022 - Present*
  - **Projects:** Text-to-3D with diffusion models (github)

University of Parma   Parma, Italy
B.Sc. in Computer Science | Grade: 110/110 (top 2%)   *Sept. 2018 – Sept. 2021*
  - **Projects:** DeepSWE: research thesis implementation (github)
          Seminar: Natural Language Supervision & OpenAI CLIP (github)

University of Leeds   Leeds, UK
Computer Science | Grade: I° (first) | Erasmus+ Exchange   *Sept. 2019 – Jun. 2020*
  - **Projects:** Graph Neural Networks for Covid-19 outbreak detection (github)
          CompSci/Sensible Robots Team - Object Detection @ ROS (home)

RESEARCH

Aligning the EU AI Act with the open-source trajectory of research   Nov. 2022
University of Trento   *Trento, Italy*
  - Paper under revision for submission. (presentation)
  - Authors: D. Calanzone, A. Coppari, R. Tedoldi, G. Olivato, C. Casonato

Floodings prediction through Deep Learning of temporal sequences   Jan. 2022
University of Parma   *Parma, Italy*
  - Simulations with Shallow Water Equations modeled as a video prediction task. (thesis)
  - Supervisor: Dr. Alessandro Dal Palú | Co-supervisor: Dr. Renato Vacondio

PROFESSIONAL EXPERIENCE

Software Engineer, R&D | *Diapason Digital S.r.l.*   Feb. 2022 – Sept. 2022
  - Full-stack development. Code refactoring, backend and frontend unit testing, introduced clean-code standards and secured the server infrastructure. Introducing language models for better code development.

Co-founder, Software Engineer | *Campo Digitale S.r.l.*   Apr. 2020 – Sept. 2021
  - Designed and developed a prototype e-commerce platform with dynamic pricing and purchasing groups.
  - **Awards**: Officine Italia (winner), CityUP (winner), Hack4Italy 2020 (finalist).

Senior Software Engineer | *EDEMPG Comunicazione S.r.l.*   Feb. 2018 - Feb. 2021
  - Founded the software development team. Developed custom softwares for HR, CMS, newsletter marketing. Social media analysis (instagram, facebook) and data collection for ads. Server administrator.

Software & ML Developer | *Grapheme E-Learning*   Nov. 2017 – Apr. 2018
  - Chatbots as virtual tutors for students with seq-to-seq models. Startup pivoted to the B2B "e-Plato S.r.l.".
  - **Awards:** InnoWerft Up2B (finalist).

HONORS AND AWARDS

University of Trento, Opera Universitaria : scholarship recipient	2022
University of Parma, ER-GO : scholarship recipient	2019, 2020, 2021
Erasmus+, Italian Ministry of Education (MIUR) : full year exchange scholarship.	2019
Federazione Nazionale dei Cavalieri del Lavoro : scholarship and excellence award.	2018

EXTRACURRICULAR ACTIVITIES, COMMUNITY

Mentee | *LeadTheFuture*   Oct. 2021 – Present
  - Among the few Italian students selected to be mentees for LeadTheFuture, a leading mentorship non-profit organization for students in STEM, with acceptance rate below 20%.

Community manager, Member | *Italian Association for Machine Learning*   Jan 2021 – Present
  - Speaker in "From CNNs to Transformers, on the advancements in Computer Vision" (02-17-2021)

Students Representative, CS Council | *University of Parma, Italy*   May 2019 – May 2021
Languages | : Italian (mothertongue), English (TOEFL C1+), French (A2), German (A2)