Davide Russo

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EDUCATION

Master of Science - Computer Science   Dec 2019 - Mar 2022

Università degli Studi di Napoli *Federico II*

GPA 4.0

- **Thesis**: Study of Domain Adaptation and Domain Generalization techniques for Brain-Computer Interface problems
  Main topics: Machine Learning, Artificial Intelligence, Domain Adaptation, Domain Generalization, Neural Networks

Bachelor of Science - Computer Science   Sep 2016 - Dec 2019

Università degli Studi di Napoli *Federico II*

GPA 4.0

- **Thesis** : Social and Emotional intelligence for Human-Robot Interaction in Bartending Operations
  Main topics: Human-Robot Interaction, Cognitive Robotics, Machine Learning

- *Best student of Computer Science* Award, 2016-2019 Bachelor's Degree (highest GPA)

PROFESSIONAL EXPERIENCE

Consultant @ Data Platform & Artificial Intelligence area   Apr 2022 - Present

Techedge Group

- Developed ETL pipeline using AWS Step Functions to orchestrate multiple AWS Glue jobs to ingest, clean and process data;

- Designed and implemented AWS Sagemaker Machine Learning pipelines in order to automate and facilitate features engineering, training and model evaluation processes;

- Developed Time Series model to forecast (up to 12 months) number of car accidents on italian highways.

Internship @ PRISCA Laboratory   Sep 2019 - Dec 2019

Università degli Studi di Napoli *Federico II*

Joined the research team of PRISCA (*Projects of Intelligent Robotics and Advanced Cognitive Systems*) Laboratory to study user's engagement during interaction with a bartender humanoid robot:

- Coded three specific interaction styles expressed through para verbal and non-verbal behaviors, for a *Sotbank Pepper* robot, in order to incrementally increase user's engagement during human-robot interaction;

- Implemented Machine Learning classifier to let the robot recognize and emulate user's posture to favor the creation of emotional link.

TECHNICAL SKILLS

Programming languages: Python, R

More skills: PySpark, SQL (Relational Databases), Machine Learning (Scikit-learn), Deep Learning, Java, C, Microsoft Excel (Google Sheets), Microsoft Power Point (Google Slides)

PUBLICATIONS

- *Shall I Be Like You? Investigating Robot's Personalities and Occupational Roles for Personalised HRI*   Nov 2021
  Collection: 13th International Conference, ICSR 2021, Singapore, November 10.13
  https://link.springer.com/chapter/10.1007/978-3-030-90525-5_63

- *Increasing Engagement with Chameleon Robots in Bartending Services*   Oct 2020
  Collection: 2020 29th IEEE International Conference on Robot and Human Interactive Communication (RO-MAN)
  https://ieeexplore.ieee.org/document/9223488

- *What Would You Like to Drink? Engagement and Interaction Styles in HRI*   Mar 2020
  Collection: HRI '20: Companion of the 2020 ACM/IEEE International Conference on Human-Robot
  https://dl.acm.org/doi/10.1145/3371382.3378343