Davide Russo

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Technical Skills

- **Programming Languages:** Python, R
- **Machine Learning:** Classification, Regression, Clustering
- **Database Systems:** SQL, AWS Redshift
- **Big Data Technologies:** Spark
- **Cloud Computing:** AWS
- **Data Visualization:** Matplotlib, Plotly
- **Version Control:** Git, GitHub
- Experience with **Agile** methodologies, **Scrum**

Certifications

- **IELTS** General Training - 7.5, issued on 31-08-2023

Experience

Technology Consultant @ Analytics area — Sep 2023 - Present
DXC Technology, Via Paolo di Dono, 3a, 00142 Rome | Italy — 40 Hours/Week

Consultant @ Data Platform & Artificial Intelligence area — Apr 2022 - Jul 2023
Avvale, Via Francesco Melzi d'Eril 34, 20154 Milan | Italy — 40 Hours/Week

I currently hold a position as a Consultant within the *Data Analytics* practice at **Avvale**, (Data Platform & AI area).
In my current role, I primarily focus on the responsibilities of a Data Scientist and Data Engineer, operating within **Agile methodologies**, particularly **SCRUM**. I successfully undertake a range of responsibilities, including:

- Developing ETL pipelines using AWS Step Functions to effectively orchestrate multiple AWS Glue jobs for seamless data ingestion, cleansing, and processing;
- Designing and implementing AWS Sagemaker Machine Learning pipelines to automate and streamline crucial processes such as model training and evaluation;
- Leveraging my expertise to develop a specialized Time Series model capable of forecasting the number of car accidents on Italian highways for a duration of up to 12 months.

Internship @ PRISCA Laboratory — Sep 2019 - Dec 2019
Università degli Studi di Napoli *Federico II*, Piazzale Vincenzo Tecchio 80, 80125 Naples | Italy — 40 Hours/Week

During my time as a university student, I had the privilege of joining the esteemed research team at the PRISCA Laboratory. The laboratory focuses on projects related to *intelligent robotics and advanced cognitive systems*. Within this role, I contributed to a study on user engagement during interactions with a bartender humanoid robot.

- Coded three specific interaction styles expressed through paraverbal and non-verbal behaviors, for a Softbank Pepper robot, in order to incrementally increase user's engagement during human-robot interaction;
- Implemented a Machine Learning classifier to let the robot recognize and emulate user's posture to favor the creation of an emotional link.

Education

MS - Computer Science @ Università degli Studi di Napoli *Federico II* — Jan 2020 - Mar 2022

- **Grade:** 110/110 with honors
- **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

BS - Computer Science @ Università degli Studi di Napoli *Federico II* — Sep 2016 - Dec 2019

- **Grade:** 110/110
- **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)

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