ANDREA MAFFIA

I'm a Software Engineer with a Master's degree in Computer Engineering, currently pursuing a PhD in Systems Engineering and working at Gter Srl. Experienced in developing GNSS algorithms for GNSS receiver accuracy. My background includes roles in GNSS engineering, Security systems, and software development across various international organizations.

CONTACT

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SKILLS

Programming
- **Java** ●●●●●
- **Python** ●●●●○
- **C++** ●●●●○
- **C** ●●●●○
- **HTML/CSS** ●●○○○

Operating Systems
- **Linux** ●●●●○
- **Windows** ●●●○○

Software & Tools
- **Virtualization** ●●●●●
(e.g. VSphere, Proxmox, ...)
- **Docker** ●●●○○
- **Office** ●●●●○

Languages
- **Italian** ●●●●●
- **English** ●●●●○
- **French** ●●●○○
- **German** ●○○○○

GNSS ENGINEER AT GTER SRL

Responsible for developing and implementing advanced algorithms to improve GNSS receiver positioning accuracy through sophisticated post-processing of raw data from GNSS receivers. Active member of the Gter GNSS User Segment R&D Team contributing to significant projects under the auspices of ESA and EUSPA. Currently pursuing a PhD in Systems Engineering

⚙ WORK HISTORY

📅 Sep 2022 – Jun 2023
📍 DLR-GfR – Münich

Galileo L2 Security Engineer
Contributed to the design and development of a new PRS Galileo L2 Maintenance platform. Attended MTP CCB and ARB boards to support the organization of the PRS GSMC/SECMON L2 maintenance, interacting with stakeholders including EUSPA, Thales, ESA, etc.

📅 Jul 2021 – Jul 2022
📍 Thales France – Paris

AIV Engineer
Contributed to the AIV process of the PRS Galileo Security Monitoring Centre (GSMC)'s components. Attended MTP CCB and ARB boards and supported the organization of the PRS Qualification process.

📅 Nov 2018 – Jul 2021
📍 Leonardo Spa – Genoa

Software Engineer
Contributed to the design and development of the PRS Galileo Security Monitoring Centre (GSMC)'s core software application. Implemented key features of the current GSMC application. Studied and understood system documentation from high-level definitions to low-level requirements. Worked mainly on the PRS SiS generation and contributed to the design and development of the Galileo POCP software application.

🎓 EDUCATION

📅 Nov 2023 – Now
📍 Università degli Studi di Genova

PhD in System Engineering

📅 Sep 2016 – Sep 2018
📍 Università degli Studi di Genova

Master's in Computer Engineering

📅 Sep 2017 – Sep 2018
📍 UTC - Sorbonne Universités

Master's in Information Processing

📅 Sep 2013 - Sep 2016
📍 Università degli Studi di Genova

Bachelor's in Computer Engineering

MAIN ACTIVITIES

- GNSS
- Education
- Marketing
- Software Engineering