



Nicolas Gensollen

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EXPERIENCE

INRIA - PARIS, Research Engineer - Permanent - ARAMIS team

Feb 2022 - Now



- Designed machine learning and computer vision algorithms for solving neuroimaging problems.
- Led the development of open source projects such as Clinica, ClinicaDL, or Leaspy.
- Hired, trained, and supervised the engineers of the ARAMIS team.
- Built and enforced best DevOps practices in the team, increasing the team productivity.
- Conducted several technical training towards engineers, researchers, or students of the team.

INRIA - SACLAY, Research Engineer - Fixed term - PARIETAL team

Nov 2020 - Jan 2022



- Developed and maintained open source projects such as Nilearn.
- Successfully built and animated a community around these projects.



LIP6, Postdoc Researcher - Fixed term - Complex Networks team

Dec 2018 - Oct 2020

- Designed anomaly detection algorithms for large streams of interactions.
- Successful integration in production for industrial partners.



NREL, Postdoc Researcher - Fixed term - Power System Design and Studies group

Mar 2017 - Nov 2018

- Designed stochastic optimization methods for power system engineering.
- Developed multiple open source tools for power system engineering.
- Conducted large-scale computations on HPC for several projects.

EDUCATION



PHD. - COMPUTER SCIENCE

Oct 2013 - Oct 2016

Telecom SudParis - SAMOVAR UMR 5157



ENGINEER DEGREE - TELECOMMUNICATION

Sep 2009 - Sep 2012

Telecom SudParis

SKILLS

- **Languages:** French (native), english (professional), German (conversational)
- **Programing Languages:** Python (expert), Bash (expert), C/C++ (proficient), Rust (advanced), Julia (advanced), JavaScript (advanced), PHP (advanced), HTML/CSS (proficient)
- **DevOps Tools:** Git (expert), DVC (expert), Docker (proficient), Jenkins (advanced), Kubernetes (advanced), Terraform (advanced)
- **Databases:** MySQL (proficient), PostgreSQL (proficient), MongoDB (advanced), Redis (advanced)
- **Software Development:** Design Patterns, OOP, Agile Methodologies, Test-Driven Development, Continuous Integration and Delivery, RESTful API Design, Microservices Architecture
- **Soft skills:** Project Management, User Requirements Analysis, Technical Specifications Writing, Communication, Problem-solving, Creativity, Accountability, Open-mindedness, Adaptability, Teamwork spirit, Patience, Humility

OTHER

- **Contributions to open source:** See my Github and GitLab profiles.
- **Publications:** See list on my website.
- **Certifications:** Authorized access to the Système National des Données de Santé (SNDS).