

24 years old

 Paris, France

 [maxime.pc.pro@gmail.com](mailto:maxime.pc.pro@gmail.com)

 [maxime-popot-chapuis](https://www.linkedin.com/in/maxime-popot-chapuis)

 [www.maximepc.com](http://www.maximepc.com)

## LANGUAGES

### Anglais, *fluent*

TOIEC (885), work in an international environment, summit in San-Francisco, travel, ERASMUS, literature, cinema

### Spanish, *academic*

Language exchanges,  
Courses since 8th grade

## SKILLS

### Personal :

- Sens of responsibility, critical thinking
- Communication skills
- Unifying

### Technical :

- Web/software programming :  
PHP, NodeJS (ExpressJS), Java, Robot Framework, FastAPI, Arduino, Jenkins
- Data Science :  
Python (TensorFlow, Pandas, Numpy, Matplotlib, Scikit-learn, OpenCV), R
- Database :  
SQL (MySQL, PostgreSQL), CQL (Cassandra)
- Software/Data : Power BI, Matlab, R
- Tools : Git (GitHub, Gitlab, Bitbucket), Jira, Xray, VMware, Virtual Box, AWS, Docker, WSL, Arduino, Tiva C, Linux (Debian)

## HOBBIES

- Calisthenics
- Fencing (14 years)
- Classical literature
- Scouting

# Maxime POPOT-CHAPUIS

## Test & Data Engineer

## EDUCATION

**Engineering degree** | ISEP - École d'ingénieur du numérique | 2021 – 2023  
Highest Honours, specialized in Data and complementary IoT:

- Data analysis & Machine Learning with **Python** (Pandas, Numpy, TensorFlow)
- Data Engineering: managing a stock market data lake with Apache Airflow/Spark
- IoT: Web3 application referencing historical monuments using an INSEE dataset with Protégé, Python (RDFLib), Pillow, and Google Maps API
- IS management: Virtualization, using AWS, creating a microservice architecture web application
- Embedded system: Design of a psycho-technical testing platform including stress analysis, voice recognition, bridge to website
- **Telecommunications**: benchmark of 7 technologies (Wifi, Bluetooth, Z-wave, 4G...) and benchmark for the on-board system

**Classes préparatoires MPSI / PSI** | CPA | 2018 – 2020

Preparatory classes specializing in mathematics, physics, and engineering sciences

## PROFESSIONAL EXPERIENCE

**NextNav** | Senior QA Engineer | January 2024 – | Paris

Développement de solutions PNT (Positioning, Navigation, and Timing) GPS, 4&5G :

- Data Analysis & Validation: Soft GPS and PNT algorithms evaluation, creation of KPIs
- Automated Testing in intensive DevOps iterations (at least one release per week)
- Quality Assurance: ensuring compliance with industry standards (3GPP), evaluation by DOT (U.S. Department of Transport)
- Performance Optimization: Identified and resolved issues affecting positioning accuracy and system reliability
- Team Management: Agile & International Environment (including during a week-long summit in San Francisco)
- Intensive Training: Signal Analysis (EPFL Coursera Certification), PNT (Stanford GNSS Courses), and 4G & 5G Networks (Institut Mines-Télécom)

**HeadMind Partners** | Consultant | September 2023 – January 2024 | Paris

Data Quality Manager at BNP Paribas

**Bouygues Telecom** | Test Lead | 2 years - September 2021 – August 2023 | Paris

Apprenticeship in Technopôle's Provisioning department :

- Implementation of an automated testing strategy with **Robot Framework**
- Involvement in the entire NR process, from specification to patch application, with a team of developers in Portugal (20 people)
- Systematic piloting and publication with **Jira** and **Xray** (200 tests, 20 MEPS)
- Reservation of JDDs on the various benches with the Cassandra DB
- Creation of a CI/CD strategy for accelerating delivery speed
- **Python** and **Bash** scripting to complete the workflow
- Training of teams in Portugal and Nantes in new tools (Python (Robot, Selenium...), Git)

**Junior ISEP** | Project Manager | 1 year - October 2020 – July 2021 | Paris

Study management :

- Project follow-up from signature to delivery
  - Customer relationship management
  - Negotiation, contract drafting, risk management, customer care
  - Recruitment and management of consultants
- Business development (10% of sales):
- Prospect qualification
  - Objective telephone prospecting
  - Drafting of technical and functional specifications
  - Response to national calls for tender

## PROJECTS

**Winner of the Stellantis Student Awards** | May 2024

Program aimed at recognizing the most promising students who will drive the transformations of tomorrow's world.

**Training in Deep Learning and data manipulation** | October – January 2023

Specialty project major :

- Image segmentation according to 11 different classes by implementing the Unet algorithm on TensorFlow Python, project monitored and evaluated by Dr. Grégoire MESNIL
- Development of a web application for analyzing tweet campaigns using the RoBERTa (BERT tuned) model on 5 natural language understanding tasks (project with TSI in Latvia). Creation of a web platform (with Docker) and creation of an API with FastAPI
- Completion of the [Deep Learning Specialization](#), a course given by Dr. Andrew NG on deep learning (MLP, RNN, CNN, NLP...) and its application (25 lab works)