

R&D Engineer specialized in Full-Stack Development with Data Analysis and AI implementation
Looking for new challenging problems within an ethical and inquisitive team

View my interactive resume, portfolio and research notes at

<https://uspec.click/resume>

IT SKILLS

Languages Python JavaScript HTML CSS C C# SQL Matlab Java VHDL Assembly Mathematica Bash
Frameworks TypeScript React React Native Vue.js Nest.js Node.js Express.js Jest.js Selenium
AI & Data Deep Learning Machine Learning Signal/Image Processing Computer Vision PyTorch SQL Excel Ollama
Methodologies Git Linux AWS Docker Documentation Scholar Publication Team Management Agile/Scrum

EXPERIENCES

- 2023 - 2025 **INTERSEC** *2-Year Contract* Puteaux, France
Advanced R&D Engineer
Spearheaded front-end development of critical, globally deployed location-based public warning systems
Utilized specialized proprietary frameworks bridging React, Vue.js to meet strict national security and low-latency requirements
Integrated custom AI agents into the geolocated alert pipeline, streamlining emergency secure context operations
- 2022 - 2023 **GALADRIM** *6-Month Contract* Paris, France
Full-Stack Web and Mobile Developer
Developed and deployed 7 sophisticated web and mobile applications, showcasing versatility and proficiency
- 2021 **CEA-LIST / DIASI: AI Laboratory** *6-Month Internship* Saclay, France
Led the unification of detection and re-identification within an innovative deep network architecture for multifaceted tracking
Championed a groundbreaking visual transformer algorithm, surpassing baseline models in performance
- 2020 **University of Ljubljana** *4-Month Internship* Ljubljana, Slovenia
Conducted an independent, comprehensive study and implementation of Virtual Try-On Networks
Generated detailed technical report addressing CP-VTON failures assessments, dataset analyses, and possible updates

EDUCATION

- 2018 - 2022 **ENSEA, École Nationale Supérieure de l'Électronique et de ses Applications** *3-year Master* Cergy, France
Prestigious institution specializing in electrical engineering, computer science, and communication networks
Multiple ambitious projects, including a Reinforcement Learning Solver and a Relation Network Video Classifier
Graduated with honours, majoring in Signal Processing and Artificial Intelligence
- 2016 - 2018 **CIV, Centre International de Valbonne** *2-year Program* Valbonne, France
Intensive preparatory program dedicated for competitive exams at top-tier French engineering schools (Grandes Écoles)

FOREIGN LANGUAGES

French Native speaker
English Fluent speaker with TOEIC
Spanish Intermediate level

PERSONAL INTERESTS

Some projects can be found on my portfolio, but I also publish links between AI and collective intelligence, as **independent researcher**
I am passionate about social choice, filmmaking, neurology, mathematics, associations and now working on my new Linux Home Lab