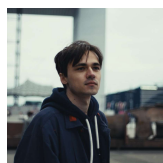


DORIAN VINAI

Embedded software engineer based in Paris

Résumé

2025



- 🔗 Check this résumé on <https://vinai.dev/>
- 📅 26 years old (1998.06.16)
- ✉ dorian@vinai.dev
- ☎ (+33) 6 09 73 14 37
- 📍 3 Rue des Bosquets, 91230 Montgeron, France

Table of Contents

[Education](#)
[Experiences](#)
[Skills Overview](#)

Education

- 2016-2021 • 🎓 **Master's degree** – Computer engineering of real-time and embedded systems
EPITA, *Diplôme d'ingénieur*, Le Kremlin-Bicêtre (94), Île-de-France
EPITA, *Classe Préparatoire*, Villejuif (94), Île-de-France
- 2018 • 🌐 **International exchange** – Mathematics and computer sciences
CTU (Czech Technical University), Prague, Czech Republic

Experiences

- 2022-2024 • Computer engineer (consultant)
 - 📍 **ORANO Projets (Areva)** – Montigny-le-Bretonneux (78), Île-de-France
 - 📍 **EDF Lab Paris-Saclay** – Palaiseau (91), Île-de-France
 - Development of a CAD¹ simulation by finite element software in collaboration with *EDF Lab* and implementation of mechanical norms.
 - R&D² on the design of a system description language (documentation writing and development of a parser). Exchange with final users, project coordination and needs analysis.
- 2022 • Embedded software engineer (consultant)
 - 📍 **Sagemcom** – Rueil-Malmaison (92), Île-de-France
 - Integration, maintenance and development of drivers and embedded software on a custom *Linux* distribution used on *Sagemcom* residential gateways.
- 2021 • Embedded software engineer (internship)
 - 📍 **ELSYS Design** – Cachan (94), Île-de-France
 - R&D² studies of various cryptographic and security functionalities provided by the *Microchip*® *SAMA5D27* SoC³ and their integration in an embedded *Linux*.

Skills Overview

- Low level **C** *Linux* kernel and driver development *C, Linux, gcc, gdb*
- Object-oriented **C++** programming *C++, C#, Java, Kotlin*
- ASM debugging and reverse engineering *x86, ARM, z80*
- Advanced **Python** and **Bash** scripting *Python, Bash, Make, JavaScript, Lua*
- Computer science and algorithmic *Architecture, VHDL, Pseudocode, Analysis*
- Language theory *EBNF, Lark, Bison*
- Fluent in **French** and English *C1, TOEIC 965/990 (97%)*
- **Git** version control and deployment *Git, SVN, Yocto, Docker*
- Documentation writing *LaTeX, Markdown, HTML*

1. Computer-Aided Design
2. Research and Development
3. System on a Chip