

# Arnaud Chaubet

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## Skills

Languages	C, C++, Java, Rust, Ada, Python, Scheme, HTML, CSS, JavaScript, TypeScript
Frameworks	Node.js, NestJS, Angular, Express.js, Three.js
Systems	System programming on Linux: IPC (Shared Memory, Queues, Pipes, Sockets, Semaphores), Processes, POSIX Threads, Bash Scripts
Tools	Git, UML, Docker, RDBMS (Oracle, MariaDB), NoSQL (MongoDB), GNU Make, CMake
Languages	French (Native), English (Intermediate), Spanish (Beginner)

## Education

2022-2024	<b>MSc in Computer Science</b> , <i>University of Pau and Adour Countries</i> , Pau, France
2019-2022	<b>BSc in Computer Science</b> , <i>University of Pau and Adour Countries</i> , Pau, France
2019	<b>Scientific Baccalaureate</b> , <i>Lycée de Montardon</i> , France

## Professional Experience

2025 - 2026	<b>Java Developer - 1 year</b> , <i>TotalEnergies</i> , Pau, France <ul style="list-style-type: none"><li>○ Maintenance of a pre-processing application for reservoir simulation model creation (Java 21, NetBeans Platform)<ul style="list-style-type: none"><li>- Application maintenance: bug fixing, performance improvements</li><li>- Enhancements to End-To-End tests (QFTest)</li></ul></li></ul>
2024	<b>Java Developer Intern - 5 months</b> , <i>Safran Helicopter Engines</i> , Bordes, France <ul style="list-style-type: none"><li>○ Design of an XML document comparator (Java, Apache FOP, JavaFX)<ul style="list-style-type: none"><li>- State-of-the-art review of XML document comparison algorithms</li><li>- Writing of the technical specification</li><li>- Definition of the library architecture</li><li>- Development of the library using the selected algorithm</li></ul></li><li>○ Development of a user management interface (NestJS, Angular)</li></ul>

## Projects

### NES Emulator (Rust, SDL2)

- Development of a NES emulator in Rust

### Space Invaders 3D (JavaScript, Three.js)

- Development of a 3D clone of the Space Invaders game

## Interests

IT maintenance, troubleshooting and identification of problems, replacement or repair of faulty components

Regular reading of high-tech press

Practice of Tennis