SAMY BENGRICHE

📞 06 15 21 03 00   ✉ msbengriche@gmail.com   in My LinkedIn   🌐 My Portfolio   📍 Paris

PROFILE

Final-year engineering student at EPITA, specializing in networks, telecommunications, and security. Passionate about new technologies, AI, and IT challenges. Seeking a 6 month internship with the ambition to contribute to impactful projects.

EDUCATION

Engineering Degree in Computer Science   2022 – 2025
EPITA, Paris — Specialization: Networks, Telecom & Security
Coursework included: network protocols, cybersecurity, system programming, cloud and virtualization, telecommunication systems, applied cryptography.

Preparatory Classes PTSI/PT   2020 – 2022
Langevin-Wallon High School
Intensive program in mathematics, physics, engineering sciences, algebra, analysis, mechanics, thermodynamics.

Scientific Baccalaureate   2020
Charles de Gaulle High School — Option: Engineering Sciences — Honors
Core subjects: mathematics, physics, industrial engineering, mechanical systems, computer science fundamentals.

PROFESSIONAL EXPERIENCE

AI Consultant Intern   2025 – Present
Wavestone (Renault) — Paris
Contributed to the large-scale deployment of AI copilots within Renault Group. Worked closely with business stakeholders to support product adoption and improve daily workflows. Designed and implemented prompt engineering strategies, created internal guidelines for efficient usage, and developed dashboards to monitor AI adoption. Actively participated in aligning technical solutions with client needs in collaboration with product teams.

Software Engineer Intern – Salesforce Product Management   Feb 2025 – Jul 2025
Saas.group Crosstalent — Remote
Collaborated with major French companies on the structuring of their HR information systems. Developed Salesforce solutions to automate business processes through Flow Builder and improve operational efficiency. Designed integration tools and contributed to scalable architectures supporting multiple service teams. Participated in QA campaigns and documentation efforts, ensuring reliable delivery of product evolutions. This role combined technical development with product management responsibilities, bridging client requirements with engineering practices.

IT Support Technician   2022 – 2024
IONIS Group — Paris
Provided IT support for staff and students, managing and maintaining a wide range of equipment and systems. Assisted in troubleshooting, installation, and process optimization. Developed preventive maintenance practices and contributed to the continuous improvement of the group's IT infrastructure.

SKILLS

Programming Languages: C, C++, Python, Java, JavaScript, SQL, Shell scripting

Databases: SQL, NoSQL, PostgreSQL, MongoDB

Web Development: HTML, CSS, JavaScript

Version Control & Tools: Git, GitHub, Docker, MongoDB, PostgreSQL, VSCode, IntelliJ IDEA

Networks & Security: IPv4/6, TCP/IP, OSI model, OSPF, VPN, Firewall, GNS3, MPLS, Wireshark, 4G/5G

Languages: French (native), English C1 (Fluent), Spanish B2, Italian (basic knowledge)

PROJECTS

42sh – POSIX Shell in C
Coordinated a team of four to build a POSIX-compliant Unix shell in **C** and **Shell scripting**. Oversaw planning and delegation while contributing to core development. Implemented command execution, piping, and redirection, with a custom test suite ensuring robustness and reliability.

Tiger Compiler
Led the development of a compiler for the Tiger programming language in **C++** using **Flex**, **Bison**, and **LLVM**. Designed and implemented lexical analysis, parsing, semantic analysis, and code generation.

HTTPd
Led the development of a concurrent **HTTP** server in **C**, focusing on socket programming, request parsing, and response generation with multi-client handling.

Librubik
Built a library in **C++** for Rubik's Cube manipulation. Implemented cube representation, move generation, and solving algorithms, focusing on clarity and modularity.

Libbistro
Implemented a library in **C++** for integer arithmetic in any base with arbitrary precision. Focused on correctness, template programming, and robust interfaces.

Ping IDE
Contributed as a full-stack developer to the creation of an Integrated Development Environment. Implemented features such as syntax highlighting, code completion, and debugging tools using **Java**, **JavaScript**, **HTML**, and **CSS**.

Vorace
Built a web scraper tool in **JavaScript** to extract data from e-commerce websites. Handled session management, rate limiting, and captchas, demonstrating automation and data extraction techniques.

Java Web Services – Bomberman Backend
Developed the backend for a Bomberman-like multiplayer game in **Java**. Implemented server-side logic, player interactions, and real-time game state management.

Chess Engine
Designed and implemented a chess engine in **C++** and **Python**, featuring move validation, game state management, and AI opponent strategies. Applied minimax with alpha-beta pruning to improve decision-making.

ERO – Snow Removal Optimization
Developed a solution in **Python** to optimize snow removal logistics in Montreal. Explored algorithms including TSP, Chinese Postman Problem, and flow-based models to present multiple operational strategies.

PMS – Port Management Study
Conducted a detailed analysis of a port's financial and material resources. Proposed strategies for optimization and efficiency improvements, showcasing analytical and organizational skills.

Zoglu
Managed the redesign of a company's network infrastructure. Oversaw evaluation, integration of new technologies, and alignment with organizational needs.

Boot Camps
Completed a series of intensive programming boot camps covering **JavaScript**, **SQL**, **Java**, **C**, and **C++**. Worked on practical projects in diverse paradigms, enhancing adaptability and problem-solving across languages.

CERTIFICATIONS

CCNA: Introduction to Networks

CCNA: Switching, Routing, and Wireless Essentials

CCNA: Enterprise Networking, Security, and Automation

PIX Digital Certification

INTERESTS

Football, Competitive Programming, Piano, Chess, Travel