

ARTHUR DORADOUX

20 years old | French | +33 6 27 88 34 83 | arthur.doradoux@etu.emse.fr | linkedin.com/in/arthur-doradoux

PROFILE STATEMENT

As a versatile and meticulous French engineering student, I am passionate about tackling technological challenges. With a strong background in Microelectronics, Computer Science, and team and project leadership, I thrive in collaborative environments that enhance my analytical thinking, problem-solving skills, and adaptability. I am seeking a 4+ month internship starting in April 2026, where I can actively contribute to innovative hardware and product development.

EDUCATION

Mines Saint-Etienne Engineering School - Gardanne, FR Sep 2024 – Jul 2027
Master's Degree in Microelectronics and Computer Systems Engineering (ISMIN Program)
• **Electives:** AI for Production, FPGA and Security, Entrepreneurship
• Robotics hackathon winner — programmed a robot using STM32 microcontroller and C
• Core curriculum: Microcontrollers, Digital and Analog Electronics, Embedded Systems, Signal Processing

Intensive Courses for Selective Engineering Schools - Lycée Pothier - Orléans, FR Sep 2022 – Jul 2024
Mathematics, Physics, Computer Science

Baccalauréat with Honors - Lycée Notre-Dame des Aydes - Blois, FR Sep 2019 – Jul 2022
Mathematics, Physics, Chemistry, Geopolitics, Advanced Mathematics option, European Track

WORK EXPERIENCE

Hardware Systems Engineer Intern Jan 2025 – Feb 2025
PHINIA Delphi France
• Configured and tested hardware/software for the first hydrogen injection using a 24V ECU platform (Infineon Aurix TC3XX, STMicroelectronics ASICs)
• Performed thermal characterization using CAN communication and modified ECU for vehicle testing

Private Tutor | 100+ hours of math tutoring, 80+ hours of academic support Sep 2019 – Jun 2023

PROJECTS

Autonomous Robot Programming | *STM32 microcontroller-based robot* Feb 2025 – Jun 2025
Capacitive Sensor-Controlled Fan Prototype | *Hardware prototyping project* Feb 2025 – Jun 2025
RISC-V Processor Architecture Project | *Design and simulation using Logisim-Evolution* Feb 2025 – Apr 2025
6+ additional projects — ASCON-128 encryption, C-based game client, Disability awareness program, ...

STUDENT INVOLVEMENT

President – MINITEL (Gaming, IT and Network Student Association) Mar 2025 – Present
• Manage campus Wi-Fi for 150+ student apartments and organize LAN events with Riot Games and Red Bull
• Lead and motivate a 16-member team
Class Representative 1st and 2nd Year and Communication Ambassador Sep 2024 – Present
5+ additional roles - Career Fair, Harassment prevention, Merchandise and Uniform Lead (Student Union), ...

SKILLS

Programming: C, C++, Python, SystemVerilog, MATLAB, Rust, OCaml, JavaScript, HTML, CSS
Hardware & Tools: STM32CubeIDE, Arduino, KiCad, Vector CANalyzer, Prototyping, Soldering, Inventor
Software & Platforms: Git, Linux, LaTeX, Typst, Adobe Creative Suite, Microsoft 365
Soft Skills: Team leadership, project management, budget management (€25k+), problem-solving, event organization
Languages: French (Native), English (C1), German (B1)
Certifications: TOEFL (C1), Cambridge (C1), HandiManagement Label, Judo Referee Training
Interests: International news, combat sports, motorsports, game programming, technology, innovation, esports, entrepreneurship, travel (USA, Egypt, Europe, ...), 3D printing