

ARTHUR DORADOUX

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

PROFILE STATEMENT

Versatile and meticulous Engineering student passionate about tackling technological challenges with a solid background in Microelectronics, Computer Science, leadership and team projects. Aiming to become a Product Owner or Manager for high-end tech companies, where technical development is paired with industrial design. Seeking a 5+ month internship starting in April 2027.

EDUCATION

- Politecnico di Milano - Milan, Italy** Sep 2026 - Feb 2027
Master of Design & Engineering exchange semester
Relevant courses : Product Design, UX Design, Prototyping, Industrial Design, Design for manufacturing, VR Design
- Mines Saint-Etienne Engineering School - Gardanne, France** Sep 2024 - Jul 2027
Master's Degree in Microelectronics and Computer Systems Engineering (ISMIN Program)
• Electives: AI, FPGA, Entrepreneurship
• Relevant courses: Prototyping, Microcontrollers, Digital & Analog Electronics, Embedded Systems, Materials Physics
- Intensive Courses for Selective Engineering Schools - Lycée Pothier - Orléans, France** Sep 2022 - Jul 2024
Mathematics, Physics, Computer Science
- Baccalauréat with Honors - Lycée Notre-Dame des Aydes - Blois, France** Sep 2019 - Jul 2022
Mathematics, Physics, Chemistry, Geopolitics, Advanced Mathematics option, European Track

WORK EXPERIENCE

- R&D Test Cell Interface Intern - Advantest - Böblingen, Germany** Apr 2026 - Jul 2026
• Developed an automated remote control system featuring a custom Raspberry Pi shield, 3D-printed box, and Python GUI
• Validated calibration PCBs for AI/GPU testing systems using a VNA and analysed mechanical pin-to-PCB alignment
- Hardware Systems Engineering Intern - PHINIA - Blois, France** Jan 2025 - Feb 2025
• Performed thermal characterization and modified Electronic Control Unit (ECU) for vehicle testing
• Configured and tested hardware/software for the first hydrogen injection using a 24V ECU platform
- Private Tutor** | 100h+ math tutoring, 80h+ academic support for 7th to 12th grade students Sep 2019 - Jun 2023

PROJECTS

- Lightweight Vehicle PoC** | Designed and engineered a sustainable mobility solution concept Sep 2024 - Jun 2025
- Capacitive Sensor-Controlled Fan Prototype** | Hardware, Software and design of the project Feb 2025 - May 2025
- 9+ additional projects** - IoT project (air quality sensors box for Zoo), C & Python video games design, personal website, ...

STUDENT INVOLVEMENT

- President - MINITEL - Gaming, IT and Network Student Association** Mar 2025 - Mar 2026
• Managed campus Wi-Fi for 150+ student apartments and organized LAN events with Riot Games and Red Bull
• Led and motivated a 16-member team resulting in the best ever financial year for any association of the campus
- Class Representative 1st and 2nd Year and Communication Ambassador for my school** Sep 2024 - Jun 2026
- 6+ additional roles** - Career Fair, Harassment prevention, Merchandise and Uniform Manager (Student Union), ...

SKILLS

- Languages:** French (Native), English (C1 - 955/990 TOEIC), German (B1)
- Interests:** International news, combat sports, motorsports, game programming, technology, innovation, esports, entrepreneurship, travel (USA, Egypt, Europe, ...), 3D printing & modeling
- Soft Skills:** Team leadership, project management, budget management (€25k+), problem-solving, event organization
- Software & Hardware Tools:** Fusion, Inventor, Arduino, Git, Linux, Prototyping, 3D Printers, Soldering, Adobe Creative Suite, Microsoft 365, KiCad, Vector CANalyzer, STM32CubeIDE, Test lab setup (Oscilloscope, VNA, ...), Unity, ...
- Programming:** C, C++, Python, SystemVerilog, Rust, MATLAB, OCaml, JavaScript, HTML, CSS, LaTeX, Typst