

Arthur Saltel

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EDUCATION

TELECOM Nancy <i>Master of Engineering, Computer Science</i> - Specialization: Artificial Intelligence and Big Data (starting Jan 2026) - Relevant Coursework: Data Structures, Object-Oriented Programming, Computer Networks, Applied Mathematics (Probability, Numerical Analysis), Databases, Shell and System Tools, Signal Processing, Compiler Theory (with lexer/parser project) - TOEIC Score: 920/990 (B2 Level)	Nancy, France <i>Sep 2024 — Jun 2027</i>
Lycée Carnot <i>Preparatory Classes MP2I / MPI* (Mathematics, Physics, Computer Science)</i> - Relevant Coursework: Advanced Algorithms (Dynamic Programming, Greedy Algorithms, Graph Algorithms), Data Structures (Hash Tables, Balanced Trees, Heaps), Relational Databases, Complexity Analysis, Object-Oriented Programming - Research Project: Nimber Concept and Applications (Computer Science and Game Theory) GitHub	Dijon, France <i>Sep 2022 — Jun 2024</i>

WORK EXPERIENCE

Math Tutor Self-Employed - Provide private tutoring in mathematics for high school students in Nancy - Assess student progress and develop personalized learning strategies - Strengthen foundational knowledge and build advanced problem-solving skills	Jan 2025 — Present <i>Nancy, France</i>
Algorithm Club Board Member TELECOM Nancy - Organize competitive programming training sessions in C++ (SWERC, ICPC) - Solve complex algorithmic problems in team settings - Mentor junior students in competitive programming fundamentals	Sep 2024 — Present <i>Nancy, France</i>
Team Member Burger King - Provided customer service and handled order processing in fast-paced environment - Collaborated with team members to maintain operational efficiency - Managed high-volume customer flow and time-sensitive tasks under pressure	Jul 2025 — Aug 2025 <i>Lyon, France</i>

PROJECTS

Personal Project , Bike Parking Recognition (Velo Park Waypoints) (github.com/Vilitix/velopark) - Collected 50,000 street images of Nancy for computer vision training dataset - Trained YOLOv11 model on 500+ manually annotated StreetView images - Achieved 95% detection accuracy on test set of 50,000 StreetView images - Technologies: Python, Label-Studio, Albumentations, PyTorch	Jul 2025 — Jul 2025
Personal Portfolio Website (asaltel.dev) - Developed modern and responsive portfolio website using React and Next.js - Deployed using Docker with CI/CD pipeline on repurposed Android phone running Termux - Implemented automated deployment workflow for continuous updates	May 2025 — May 2025
Team Competitor , SWERC 2025 Competitive Programming (swerc.eu/2025) - Intensive preparation for SWERC (Southwestern Europe Regional Contest) ACM-ICPC competition - Solve advanced algorithmic problems collaboratively in C++ - Practice time-constrained problem-solving and team coordination	Sep 2024 — Present

EXTRACURRICULAR ACTIVITIES

Competitive Programming - Prologin (French Competition) National Finals 2024 qualifier - Active on Codeforces (username: vilitix) with regular problem-solving practice - SWERC 2025 participant	2022 — Present
Table Tennis - Compete in club-level tournaments - Current rating: 600 points	2020 — Present

SKILLS

- Programming Languages:** Python, C/C++, Java, OCaml, SQL, Go, LaTeX
- Frameworks & Libraries:** React, Next.js, Label-Studio, Albumentations, YOLO, PyTorch
- Technologies:** Linux (Arch), Git, Docker, VS Code, PostgreSQL, MySQL, Termux
- Languages:** French (Native), English (Fluent - TOEIC B2: 920/990)