



Julien-Alexandre BERTIN KLEIN

Information Engineering Student

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Education

- 10/2023 – **B.Sc. Information Engineering**, *Technical University of Munich, Campus Heilbronn*
present ○ Software Engineering, Object Oriented Programming (C++, Java)
○ Computer Architecture, Operating Systems (Linux)
○ Algorithms and Data Structures, Embedded Systems and Robotics
○ Computer Networking and IT Security
- 09/2020 – **DUT Informatique**, *IUT Robert Schuman, University of Strasbourg*
06/2022 ○ Unix Systems (C, Bash)
○ Databases (SQL, PL/SQL)
○ Web Development (HTML, CSS, JavaScript, PHP/Laravel)
- 09/2017 – **Baccalauréat Scientifique**, *Marc Bloch High School, Bischheim*
06/2020 ○ Specialty: Engineering Sciences; Graduated with honors
○ Option: Cinema-Audiovisual

Professional and Personal Experience

- 05/2023 – **Voluntary Service**, *La Cab'Anne des Créateurs, Schiltigheim*
10/2023 ○ Development and animation of cultural projects related to digital
○ 3D Printing, Laser Engraving, CNC Machines
○ Computer training for beginners

Projects

- 2025 **Automated Connect 4:** 3D-printed automated Connect 4 game. Software integration for the computer vision and backend for the UI (Vue.js)
- 2024/2025 **Duckietown:** Autonomous driving robot powered with ROS and Python. Amelioration of the lane following and creation of a modern web dashboard.
- 2024 **Game of Life CLI:** Implementing Conway's Game of Life in a menu-driven CLI using C++ and ncurses.
- 2022 **Responsive Music Player:** Developed with Node, Express & React. Focus on responsive UI/UX using API and websockets.

Languages

- French Mother tongue
English Reading/Listening, Writing/Speaking: C1 (Autonomous)
German Reading/Listening: B1 (Intermediate); Writing/Speaking: A2 (Elementary)

Skills

- Programming JavaScript (React, Node), HTML/CSS, Python, C/C++, Java, PHP (Laravel)
Tools Git, GitHub Copilot, Linux, SQL/PL SQL
Soft Skills Autonomous, Resilient, Creative, Enterprising, Open-minded, Team Spirit

Hobbies

Hiking, Photography/Video, Reading, Board Game