



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