

Gireg Gambrelle

✉ gireg.gambrelle@ecole.ensicaen.fr

☎ +33 7 68 47 37 05

in @gireg

🐙 @gireg




🌐 cv.gambrelle.fr

📍 14200 Hérouville-Saint-Clair, France




Computer Science Engineering Student

at National Graduate School of Engineering and Research Center (ENSICAEN)

Experience

- 06-07/2025  **Computer Vision Internship** ENSICAEN, Caen
- Developed an automated camera-calibration pipeline in C++
 - Built a 3-D reconstruction system using a Raspberry Pi 4, a USB camera, and a Texas Instruments DLP projector.
 - Continued the project independently as a personal research effort
- IMAGE PROCESSING, C++, OPENCV, RASPBERRY PI
- 01-03/2024  **Ontology Research Internship** GREYC labs, Caen University
- Scraped a regional tourism website to create a restaurant-description database.
 - Designed a domain-specific ontology for restaurant descriptions.
 - Produced a gold-standard dataset to evaluate an ontology-population algorithm.
- PYTHON, NLP, ONTOLOGY
- 05-07/2023  **Web Development Internship** STMicroelectronics, Le Mans, France
- Built a register-configuration and visualisation web app for automotive microcontrollers
- XTEND, JAVASCRIPT, HTML, CSS

Education

- 2024 - 2027  **Master of Engineering in Computer Sciences, AI, Image and Sound Major**
at National Graduate School of Engineering and Research Center, Caen, France
- Modules have included: Network, Topology, Measure Theory and Integration, Software Conception, embedded programming, Computer Architecture, Statistics and Probabilities.
 - Implemented an image processing filter using plain C during semester coding challenge and got best score.
- 2021 - 2024  **Bachelor of Computer Science**, University of Caen
- Explored Graph Theory, Discrete Mathematics, Web development, OOP Application design, Functional programming, Introduction to linear Algebra, Compilation and Language Theory, Introduction to Natural Language Processing, Algorithms and Data Structure, Bash Programming, Operating system
 - Reproduced a rainbow table attack as our final year project in a team of four
- 08-12/2022  **Erasmus Semester**, Charles University, Praha, Czechia.
- Studied Algorithm and Data Structures, OS Programming, the czech language
- 2020 - 2021  **Preparation for Engineering School Exams**, Brest Naval Instruction Center
- Studied Linear Algebra, Calculus, Python, Philosophy, Physics, Chemistry
- 2017 - 2020  **Scientific High School Diploma**, Nogent-le-Rotrou
- Successfully completed the European-track program taught in English.
 - *Graduated with Highest Honors*

Skills

Languages: Java, Python, C, C++

Web: HTML, CSS, JavaScript, React

Server-Side: Nginx, rclone, crontab

Database: PostgreSQL

Tools: Git, Vim, Linux, VSCode

Misc.: Driver's Licence

Interests

Hiking - Running - Alto Saxophone - Learning languages

Languages

English C2 (Cambridge Certificate) - German A2/B1 - French native speaker - Czech A1

References

Loïck Lhote - loick.lhote@ensicaen.fr - Head of the Computer-Science Program - Assistant Professor

Eric Ziad - karim-eric.ziad-forest@ensicaen.fr - C, Statistics and Probabilities - Assistant Professor

Alain Lebret - alain.lebret@ensicaen.fr - Operating System Programming (UNIX/POSIX) - Senior Lecturer