



# Burgalat Eliot

Software development

Looking for a 4 month internship starting 13<sup>th</sup> April 2026

IMT Atlantique, Nantes - France

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🌐 Eliot Burgalat

## EDUCATION

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- **IMT Atlantique, Nantes** 09/2024 - Today  
*Student in Software development* GPA : 3.61
- **Lycée Pierre de Fermat, Toulouse** 09/2022 - 06/2024  
*CPGE - Scientific Preparatory Class Mathematics & Computer Sciences (2 year intensive program)*
- **Lycée Louis Barthou, Pau** 09/2021 - 06/2022  
*French Baccalaureate (Highest Honours)*

## EXPERIENCE

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- **Continental Automotive** 06/2025 - 07/2025  
*Operator intern at a Continental Group production site* Toulouse
  - Participation in the management of parts at the end of the line and coordination with operators.
  - Acquisition of a concrete vision of the industrial environment and a better understanding of the link between software design, automation, and real-world conditions.

## PROJECTS

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- **Business project – MeetMagnet** 09/2025 - 12/2025  
*Collaboration with the MeetMagnet to design an innovative web solution for professional networking.*
  - Tools & technologies used: Scraping, Python, MongoDB, AI, n8n
  - Contributing to improving models, and identifying areas for improvement.
  - Delivery of a first functional version of the solution, improvement of the AI model
- **Pronto - Low-tech 3D imager** 01/2025 - 06/2025  
*Experimental project aimed at designing an accessible 3D imaging system based on low-tech tools.*
  - Tools & technologies used: Python, Geometry
  - Development of a prototype combining programming, electronics, and image processing. Use of a projector and camera to generate three-dimensional reconstructions from binary frames.
- **TIPE – Ray Marching 3D Rendering Software in C** 01/2023 - 06/2024  
*Creation of a 3D rendering engine in C based on the Ray Marching technique.*
  - Tools & technologies used: C, Multithreading, 3D
  - Complete design and implementation in C language: ray management, distance and shadow calculations, rendering of objects defined by distance functions. Application of numerical optimization methods and data structures adapted to performance.

## TECHNICAL SKILLS AND INTERESTS

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**Languages:** C++, C, Java, Python, OCaml, JavaScript, HTML/CSS

**Developer Tools:** Git, NodeJS

**Frameworks:** Bootstrap

**Cloud/Databases:** MySQL, MongoDB, PostGreSQL

**Soft Skills:** Teamwork, Rigor, Autonomy, Technical Communication, Curiosity

**Coursework:** Object-Oriented Programming (Java), Advanced Software Design, Algorithms & Data Structures, Web & Collaborative Development, Software Architectures and Systems

**Areas of Interest:** Chess (2187F), Open Source Contribution, 3D Imaging & Ray Marching, Sports (Athletics, Tennis, Volleyball), Travel (Europe, Japan, USA, Canada)

## POSITIONS OF RESPONSIBILITY

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- **Head of the integration division, IMT Atlantique student office** 2025 - 2026
- **Partnerships/Sponsors Manager, Federation of IMT Atlantique Associations** 2025 - 2026

## ACHIEVEMENTS

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- **Certificate Cambridge B2 English** 2022