HUGO CASTELL

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🌐 hcastell.fr

🚗 Valid, clean driver's license

LANGUAGES

- **French - Native**
- **English - B2 - TOEIC 905 - 2024**
- Spanish - Beginner

INTERESTS

- Programming
- Sports (gym, cycling, running…)
- Cooking

SOFT SKILLS

- Curiosity   *Implementer BELBIN®*
- Flexibility   *INTJ MBTI®*

PROFESSIONAL EXPERIENCE

2024-now | Full-Stack developer in Apprenticeship
Capgemini Engineering, Toulouse, France
End-to-end development of web applications for Airbus.

2022-2024 | .NET Developer in Apprenticeship
INEO SCLE Ferroviaire, Toulouse, France
Developed and maintained 3D generation algorithms in C# for AutoCAD to enhance design automation and maintained .NET Framework desktop applications.

EDUCATION

2024-now | Computer science engineering program
INP ENSEEIHT Engineering graduate school in Toulouse, France

2021-2024 | University Bachelor in Computer Science
iut BLAGNAC Institut Universitaire de Technologie de Blagnac, France

SELECTED PROJECTS

Docker-based Home Lab Infrastructure | 2025
Deployment of personal services at home. Tunnel via Cloudflare, network management and applications deployment via Docker. Wake on Lan via RaspberryPi.

Online multiplayer snake game | 2025
Development of an online multiplayer snake game. Multiplayer server-mandatory based utilizing network via websockets. Typescript with a Node backend.
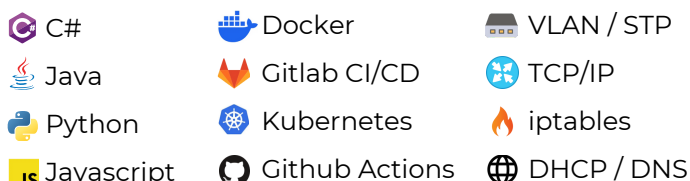
FPGA RISC Microprocessor development | 2024
Development of a FPGA CRAPS-microprocessor on a RISC architecture with basic OS capacities.

Multiple portfolios | 2024-2025
Development of multiple portfolios for engineering studies and for professional purpose. All from scratch including design, development and deployment.

IoT sensors real-time data visualisation | 2023
React website for real-time visualization of MQTT flows (presence, CO_2, etc.) emitted by IoT sensors on a building map.

Online Eurovision blindtest game | 2024
Development of an active online BlindTest game on the theme of Eurovision in ASP.NET and React.

HARD SKILLS

- C#
- Java
- Python
- Javascript
- Docker
- Gitlab CI/CD
- Kubernetes
- Github Actions
- VLAN / STP
- TCP/IP
- iptables
- DHCP / DNS

Tools : Wireshark Figma Linux

Scan or click

Github   Linked In   Portfolio