Clément FURNON
Computer engineering student – Apprentice

Phone

Email

Portfolio
www.clement-furnon.fr

About Me

Passionate Computer Science Engineering student with a strong foundation in programming, technology innovation, and hands-on experience in diverse projects. Skilled in problem-solving and tech repairs, I am eager to tackle complex challenges and contribute to impactful initiatives. Currently seeking a 3-month internship opportunity between mid-May and mid-September to apply my skills and further develop my expertise.

Skills

Programming Languages :
- Python, C/C++, Java, SQL

Tools and Technologies :
- OpenGL, OpenCV, NTLite, SolidWorks, Git

Platforms and Systems :
- Linux, Windows/WSL, Windows Server, Virtualization Technologies

Core Competencies :
- Algorithm Development, AI, System Optimization, Data Analysis

Languages

- **English** - Toeic 700
- **French** - Native

Technical Projects

- **Chess with AI :** Chess game with AI using Minimax algorithm.
- **Graphical Programming :** Interactive 3D scene in OpenGL.
- **Image Analysis :** Contour detection with OpenCV.
- **Custom Windows :** Optimized Windows installations for performance.
- **macOS Virtualization :** Virtualized macOS on AMD hardware.
- **Server with Windows Server :** Multi-purpose server for hosting applications.
- **PC Building and Optimization :** Custom-built PCs with optimized cooling.
- **Heat Risk Mitigation in Brake Systems:** Thermal study with Python simulations.
- **Spam Mail :** Automated email sending in Python.
- **TicTacToe :** Graphical TicTacToe game in C++ with SFML.

Experience

Apprenticeship

Supervision Engineer Apprentice
ArcelorMittal
Oct. 2023 - Present

Fos-sur-Mer, Provence-Alpes-Côte d'Azur, France
SCADA : Aveva System Platform
- Achievements:
  - Improved industrial fire supervision systems and developed safety features.
  - Created VBA macros reducing development time by over 50%.
  - Developed databases for efficient sensor management.

Student Jobs

Warehouse Worker/Delivery Driver
Paput Boisson
June - August 2021/2022/2023

Roanne, Auvergne-Rhône-Alpes, France
- Order preparation, handling, and deliveries.
- Developed organizational skills for deliveries and teamwork in a logistics environment.

Warehouse Worker/Delivery Driver
Renault Lafay
July - August 2020

Le Coteau, Auvergne-Rhône-Alpes, France
Student Job
- Order preparation and client deliveries.
- Worked in a fast-paced environment requiring precision and efficiency.

Intern

Réparer PC
January 2016

Roanne, Auvergne-Rhône-Alpes, France
- Computer, phone, and tablet repairs.
- Flight simulator testing.

Education

Engineering Degree in Computer Science
Polytech
2022 - Present

Marseille, Provence-Alpes-Côte d'Azur, France
Relevant Courses:
- Advanced Networks, Distributed Programming, DevOps
- Machine Learning, Data Mining, and Advanced Databases
- Image Analysis, 3D Geometric Modeling, Computer Graphics
- Linux Systems, Virtualization, Cybersecurity
- Algorithms, Cryptography, AI in Games, and Information Theory

Preparatory Classes for Engineering Schools
Lycée La Fayette
2020 - 2022

Clermont-Ferrand, Auvergne-Rhône-Alpes, France

Baccalaureate in Industrial and Sustainable Development Sciences
Lycée Hyppolyte Carnot

Roanne, Auvergne-Rhône-Alpes, France
Graduated in June 2020