Sylvain FREDIANI, Student in Computer Science, 20 years old

I am a student entering the 2nd year of the engineering program at the school of ENSIMAG in France. Curious and open-minded, I would like to enrich my experience through an internship abroad, and discover a new culture.

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✉ sylvain.frediani@grenoble-inp.org

🏠 55 allée Condillac
Résidence Marie Reynoard,
38400 Saint Martin d'Hères, FRANCE

linkedin.com/in/sylvain-frediani-a0b9951b7 **in**

📱 +33 6 04 18 46 40

github.com/Sylvain999 ⦿

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French : Mother tongue

English : Good level (B2/C1)

German : Intermediate level

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🎵 **Music**

I have been playing three instruments for several years: guitar, piano and bagpipes.

🏛 **History**

By personal curiosity, I read books with historical interests, biographies...

🌐 **Travels**

4 years in the United Arab Emirates (UAE) and 1 year in Ireland allowed me to appreciate meeting other cultures.

🎲 **Role playing game**

Many RPG sessions under my belt, both as a player and a game master.

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Engineering training (in process)   2021-2024
Grenoble INP ENSIMAG, Grenoble, France

IT Courses : Algorithm, CPU understanding , low-level programming (C and VHDL)
Mathematics Courses : Numerical Analysis, Linear Algebra, Statistics
Theoretical Courses : Language Theory, Information Theory

Diplôme Universitaire technique (DUT) Informatique   2019-2021
Equivalent to: two-year university full course diploma in Information Technology, majored in Computing
IUT du Limousin, Limoges, France

IT Courses : Algorithm, Object-oriented programming, Databases, Bash, Computer tests (unit tests and so on)
Project Management Courses : Specification, Agile software development
Additional Courses : Economy, Communication
Rank : Top of the class

Internship in company DynAdmic   10 weeks
DynAdmic, Limoges, France

Subject : Adding functionalities to an internal web app

Difficulties :
- Learning to use a brand new and complete tool (Laravel)
- Adapting to a complex structure of the app
- Using project management tools

Programming languages : Laravel (PHP Framework), SQL

Baccalauréat Scientifique   2019
Equivalent to: High School Diploma
Lycée Français d'Irlande, Dublin, Ireland

Result : with highest honours

Programming languages

Rust : Solid basics, and language practiced in many algorithmic exercises.

C / C ++ : Several medium-sized projects with technical and pedagogical utilities.

PHP : Projects and internship that allowed me to understand some specificities of the language, and to discover one of its Frameworks (Laravel).

Java : Projects and class work done, and use of JavaFx and JUnit.

Python : Class work on algorithmic exercises.

JavaScript : Several important works done, especially with NodeJs and ReactJs.

IDE and other tools

JetBrains suite : Especially CLion, PhpStorm et Rider.

VS Code : IDE widely used for small and medium scale projects and works.

Unity : Software quite well mastered and several trainings and projects done with it.

Blender : Some objects and scenes made with the software, but still very basic knowledge.

Obsidian : Implementation of a second brain.

Office 365 : Word, PowerPoint and Excel often used and mastered (Visual Basic tested).

Experience

Programming Projects

Library for Graphic User Interface   2022 (3 weeks)
Topic : Creation of a programming library allowing to code basic graphic user interfaces of software. *Project related to the engineering training.*
Programming Language : C
Project Members : 3

Web App (GMP)   2020-2021 (6 months)
Topic : Creation of a web app for use by the GMP studies department of the IUT of Limoges. *Project related to the training DUT Informatique.*
Programming Language : JavaScript (ReactJs, NodeJs)
Project Members : 5

Portfolio   2021 (1 month)
Topic : Creation of a personal portfolio website
Programming Language : JavaScript (ReactJs)
Project Members : Alone

Other projects can be viewed at ○ github.com/Sylvain999

Personal Training

Cybersecurity : MOOC SecNumAcademy, TryHackMe website, Interview with a professional on the topic
Video Game Design : Online training on GameDev.tv

Associations

Lilith's Pipers : Celtic music band. *Role : Bagpiper*.
LogMag : Newspaper of the computer science department of the IUT du Limousin. *Role : Administrator of the website and editor of articles (geography section).*

Skills

✓ Very good stress and pressure management
✓ Good ability to work autonomously on a project

✓ Capacity to learn to use new tools
✓ Determination to fill potential gaps quickly
✓ Capacity to adapt to new organizations rapidly

✓ Important organisation of projects, through the setup of a second brain
✓ Daily detailed planning