Matthéo LÉCRIVAIN

French Front-End Developer

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Profile

Final year Master's student in Computer Science specializing in Software Architecture at Nantes University in France, graduating in July 2024. **Open to Frontend Developer opportunities, starting July 2024.**

Work Experience

Software Architecture Researcher, Intern
Montréal, Canada

Université de Montréal
Jan 2024 - Jul 2024

- Designed and developed a tool to identify microservices in monolithic applications, combining metaheuristic optimization and machine learning.
- Created a fully automatic REST API generator, in order to expose identified services and enable them to operate independently.
- **Skills involved:** Python, Software Architecture, Machine Learning, Scientific Method.

Full-Stack Developer, Intern
Nantes, France

Laboratory of Digital Sciences of Nantes
May 2023 - Jul 2023

- Developed a *web interface* from scratch that serves as a search engine for a knowledge graph focused on educational resources.
- Integrated a visualization feature to display the knowledge graph generated from query results.
- Maintained the application architecture all along its evolution.
- Contributed to *a scientific paper* demonstrating the tool's capabilities, which was accepted at the *ESWC 2024 conference*.
- **Skills involved:** Vuejs, TypeScript, Tailwind CSS.

Front-End Developer, Intern
Nantes, France

OpenDataSoft
Apr 2022 - Jul 2022

- Collaborated within a team of 6 developers to implement new React pages for the back office of the platform.
- Upgraded React components to incorporate new features and ensure seamless integration within the platform.
- Upgraded legacy Angular pages to React, modernizing the codebase and improving performance and maintainability.
- **Skills involved:** React, JavaScript, CSS, HTML, Large-Scale Teamwork.

Education

Master of Science in Computer Science
Nantes, France

Nantes University
Aug 2022 - Current

- Major in Software Architecture.
(expected graduation July 2024)

International Exchange Program
Umeå, Sweden

Umeå university
Aug 2022 - Jan 2023

- 5-month university exchange in Sweden, during the first semester of my master of science.
- Courses: Efficient Algorithms, Computer Organization and Architecture, Interactivity in Smart Environments.

Bachelor of Science in Computer Science
Nantes, France

Nantes University
Sept 2019 - May 2022

- Specializing in a wide range of subjects related to software development, algorithms and system architecture.

Projects

Web application to help with timetable management
Oct 2023 - Jan 2024

- Collaborated with a team of backend developers to create the frontend of an application designed for consulting and managing the timetable of a university.
- This work enables teachers to easily consult their courses and suggest changes to the timetabling department.
- **Skills involved:** React, TypeScript, Tailwind CSS, Agile Development.

Collaborative Markdown Editor
Sep 2023 - Jan 2024

- Developed the frontend for a collaborative Markdown editor, allowing multiple users to edit a document simultaneously.
- Implemented a WebSocket connection to synchronize the document in real-time between users.
- **Skills involved:** Svelte, WebSocket, TypeScript, Tailwind CSS

Skills

Programming	Java, Python, C++, SQL, SPARQL, Android, React Native.
Web Programming	React, Vuejs, JavaScript, TypeScript, HTML, CSS, Tailwind CSS.
Miscellaneous	Linux, Shell, Git.
Languages	French (native), English (proficient), Spanish (basic knowledge).