

# Thomas Feray-Desgranges

Jr. Software Developer

📍 San Diego, CA

Graduating Master's Degree Computer Science student seeking both internship and full-time opportunities. Foundations in programming languages, platforms, and frameworks in several IT domains such as artificial intelligence, desktop, web, and mobile full-stack development. Acquired skills in designing and developing applications during projects.

During my childhood, I had the opportunity to live in Mexico, India, and France. I now want to discover the United States. This is why I arrived on the American continent through Cancun, Mexico, and traveled about 4,800 miles in my van to San Diego, my birthplace.

## Accomplishments



First prize award during a 24-hour coding hackathon. Working together effectively as a team of 5 students, we created a fun and creative game interacting with real-life objects (ArUco markers and connected light sources).

- Python, Live-feed video analysis (OpenCV)
- Effective communication, Teamwork, Quick decision-making



Managed and led a team of 2 other students to design and develop a complete and secure event management app for hosts and guests. The solution works both online and offline, thanks to its reliance on cached data and Bluetooth communication between devices. We concluded this one-year project with a presentation in front of a jury and a 30-page report.

- Flutter, Firebase, Cybersecurity, Cached data, Git, Figma
- Project management, Project presentation

## Other Projects



Web

- Developed a game library management system using PHP, JavaScript, HTML, and CSS.
- Created my portfolio using .NET's framework Blazor, in C#.

## Contact

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[managatrix.github.io/Portfolio](https://managatrix.github.io/Portfolio)

## Soft Skills

- Reliable
- Eager to work and learn
- Adaptable
- Curious
- Teamwork-oriented
- Communication first
- Passionate
- Attention to detail

## Technical skills

Java



C#



Python



JavaScript



PHP



HTML/CSS



Flutter



Dart



.NET Blazor





AI

- Developed an NLP Machine Learning model to classify YouTube videos based on their comments, using Python with Scikit-Learn and Pandas.
- Developed an NLP Machine Learning model capable of identifying the language used in a TEDx presentation. Tools used: Python, Jupyter, Pandas, Librosa, Scikit-Learn, and PyTorch.



Mobile

- Developed a music streaming app based on an existing streaming API. I build a version using Ionic and TypeScript; another using Kotlin and Android Studio.
- Developed a Telegram weather chatbot using Java, Telegram's API, and a weather API.
- Designed an educational mobile application using Figma and Android Studio.

## Education

2020  
|  
2023

### Master's Degree in Computer Science

*University of Le Mans (ENSIM), France*

My degree has taught me a wide array of CS technologies and practices, from software development to AI and data science. I took part in many school projects as a team or solo.

Sep. 2022  
|  
Dec. 2022

### Exchange program in Canada

*University of Quebec (UQO), Gatineau, Canada*

During my semester abroad, I studied AI, cybersecurity, algorithmics, and business intelligence. This brought me a research-oriented learning mindset and a rich traveling experience.

## Work History

Jul. 2021  
|  
Aug. 2021

### Order Picker

*Attestis - Sophia Antipolis, France*

Attestis is a smart building permit panels startup. I served as a technician and was responsible for various tasks.

Jun. 2019  
|  
Jul. 2019

### Electrician Assistant

*Assess Batiment - Cannes, France*

C



Git



Unity



Visual Studio Code



API



Command Line Interface



Machine Learning



Natural Language  
Processing



## Languages

English



French



Spanish

