

Maxime LEGER

Expected graduation : 2025 | Looking for : 21 weeks internship 13th March - 27th August

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Skills

- Java | C | Python | Matlab | Bootstrap | JavaScript | TypeScript | Node.js | Express.js | jQuery | MongoDB | Mongoose | Git
- Visual Studio Code | Spyder | Apache Netbeans | IntelliJ IDEA | Processing | Code::Blocks | Excel & VBA | LaTeX | Notion
- AI | Data Science | Mobile App | Web Development | Frontend | Backend | Full-Stack | English (TOEFL ITP 590), French

Experience

Software Engineer & Team leader

JDM Expert

Ecully, France

09/2022 - 11/2022

- Led the design and development of a mobile app on iOS and Android easing the technical and commercial communication throughout 120 companies by automating the creation and delivery of construction sites forms using **React Native** interfaced with a Customer Relationship Management website in **PHP** through a RESTful API.
- Created an adaptive interface according to the user's position in the company resting on an authorisation manager of the API.
- Managed a team of 5 using **Agile** methods to lead the project with the **Scrum** framework in a cooperative environment through daily meetings, weekly feedbacks with product owners, sprint planification and reviews.

Software Development Engineer

Compagnie Nationale du Rhône

Lyon, France

04/2022 - 08/2022

- Created a meaningful visualization of a 2000 entries and 40 attributes database by computing 12 charts
- Developed a standalone CRUD environment with the database through 4 HMI under **Excel & VBA**.
- Transformed and exported 2 different work schedules into database entries and processed them under the same template: data cleansing, code reviews, adaptative code, debugging, best practice for future developments

Upkeep service & Project manager

ECLAIR (Computer Science Association)

Ecully, France

02/2021 - 02/2022

- Created a website under **Bootstrap** and **Node.js** used day-to-day by 1200 persons with 12 modules: profil creation, calendar of events, rooms booking and products lending.
- Handled students daily issues : software installation, hardware replacement, questions on computer science environments...
- Administered an internal network of an entire building floor composed of 5 servers under **Linux** with **VMs** and **Dockers**, hosting websites and data -databases, images, videos- for the whole association.

Software Engineer

Study project (ECL)

Ecully, France

09/2020 - 06/2021

- Designed and implemented a chess game with complexe rules as an executable app on pc with 5 game modes in **Java**.
- Developed 2 AIs which play the game: one based on minimax and **alpha-beta pruning** research, reaching a depth of 4 in the research tree under 20s, and the other on **neural network**, computing a response under a predefined period.
- Organized and managed timelines with a team of 5 throughout the project via steady communication with the product owner.

Education

Engineering Master's Degree in Computer Science

Ecole Centrale de Lyon

Ecully, France

09/2020 - 09/2024

- Computer science major: AI, Big Data, Neural Network, Web Development, Digital Business, Scrum

Bachelor's Degree in Applied Math

Claude Bernard Lyon 1 University

Lyon, France

09/2020 - 06/2021

- Differential Calculus and Complex Analysis, Matrix analysis, Probability and statistics, Measurement and integration

Mentorship

- **Applied Math Instructor:** Differential Equations | Measurement and integration | Matrix analysis (09/2021 - 12/2021)

Others

- General Secretary of the board of directors at AEECL (student association) | Manager of the Digital Transition's Committee
- Climbing | Swimming | Tennis | Judo | Kayaking | Mountain Biking | Treetop adventure course