Maxime LEGER
Software Development Engineer

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Currently attending a top-tier engineering school, passionate about software engineering with a hands-on approach, well-developed skills in Agile methodology and a user-focused philosophy. Have developed several mobile, web and executable apps, including a work sites automation mobile app and IAs for a chess game.

Work Experience

JDM Expert – Software Development Engineer

09/22 – 11/22 | Charbonnières-les-Bains, France

- Built a mobile app on iOS and Android used by 120 companies by interviewing customers to assess their needs, creating and prioritizing key features, and developing a user-friendly interface on **React Native**.
- Assembled and digitized construction worksheets by implementing key features taking pictures, QR code scanning, retrieving the signature of a client, and tracking the user by GPS which accelerated the overall process by 30%.
- Automated the creation, roll out and delivery of work sites exchanging data through a **RESTful API** interacting with PHP driven backend which sped up work sites paperwork for employees.
- Ensured the satisfaction of the company by collaborating with its representatives and prioritizing developments every week, partnering and leading a team of 5 using the **Agile** framework Scrum.

CNR – Software Development Engineer

04/22 – 08/22 | Lyon, France

- Automated the interaction with a database by building a CRUD interface with autocomplete fields to decrease user experience friction and speed up the use by 20% on **Excel** with **VBA**.
- Worked on the development and extraction of 2 work schedules by automating their exportation into databases and processed them under a joint template which enabled data analysis of employees' work.
- Enabled 20 employees to assess their current skills and choose how they would grow by building a skills matrix which computes learning indicators by linearizing skills growth over one to three years.

ECLAIR – Full Stack Developer

02/21 – 02/22 | Ecully, France

- Digitalized the associations' services on a responsive website regrouping 1000 students by implementing key features like room & event booking, ad posting and product lending on **Bootstrap** and **NodeJS**.
- Administered 4 servers hosting websites and databases by monitoring them with **Docker**, adding new machines to the structure and installing software.
- Handled students' computer science issues by handling software installation and replacing hardware if necessary.

EChessL – Software Development Engineer

09/20 – 06/21 | Ecully, France

- Collaborated in a team of 5 to build an executable app for 2 users to play chess by implementing the game and other gaming modes, enabling the users to go back one move and set a chronometer on **Java**.
- Developed two **AIs** to play against: one with minimax and alpha-beta pruning research which computes the next move under 20s with a depth of 4, and another with neural network which computes it under a preset time.

Education

Engineering Master's Degree in Computer Science – Ecole Centrale de Lyon

09/20 – 09/24 | Ecully, France

- Mentored 20 students in applied mathematics by teaching 1h30 course every week for 4 months.

Bachelor's Degree in Applied Math – Claude Bernard Lyon 1 University

09/20 – 06/21 | Lyon, France

Skills

Languages: Java, Python, Matlab • **Frameworks**: React Native, Angular • **Tools**: Unix, Git, Excel, LaTeX, Notion