

FRANCESCO MASSAFRA

Software Engineer

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EXPERIENCE

9/2021 - Ongoing Part-time	Software Engineer Web & App Development	Wylit
<ul style="list-style-type: none">Developed backends for websites and applications using TypeScript and Python, leveraging a variety of frameworks in these languages.Managed and designed complex databases, particularly skilled in MySQL, SQLServer and ScyllaDB for large-scale data.Deployed and maintained services using cutting-edge technologies, such as Docker and Kubernetes.Created various ad-hoc software solutions for the analysis and management of proprietary enterprise data spanning different business domains.		

EDUCATION

9/2021 - x/2024	BSc in Computer Science Course list here GPA: 3.5 Enrolled in advanced computer science courses at the University of Pisa. Relevant Courses: Computer Networks, Cloud computing, Numerical Analysis (MATLAB), OOP (Java), Algorithms and Data Structures (C)	University of Pisa
9/2017 - 6/2021	High School Diploma, Computer Science Option Grade: 100/100	IISS Majorana

PROJECTS

HOTELIER	Simplified Hotel Review System	University Project
<ul style="list-style-type: none">Developed a client-server architecture using Java and TCP connections.Managed user registration, login, and hotel data.Implemented multithreading for concurrent operations.Utilized structured data for user authentication, hotel details, and reviews.Employed persistent data storage mechanisms.		
MultiThreaded-FileStats-Server	C program for efficient and parallel calculation	University Project
<ul style="list-style-type: none">Created a robust and scalable server for parallel processing of ".dat" files, utilizing a server-client architecture with multiple threads for accelerated statistical calculations.Enabled parallel processing for recursive file analysis through a modular design adaptable to diverse directory structures and file names.		
MiniCaml	Simple Interpreter for a Functional Programming Language	University Project
<ul style="list-style-type: none">Defined a new type and expressions system based on the OCaml original one.Defined the environment and the type checker based on the previously created type system.Implemented an evaluation function enabling the execution of small programs.		

LANGUAGES

- English - C1 (Cambridge)
- Italian - Native

SKILLS

Languages: Java, SQL(MySQL, PostgreSQL, MongoDB, ScyllaDB), Python, JavaScript, Typescript, C, OCaml

Technologies: Docker, Kubernetes, Cloud Computing, Git

Soft Skills: Communication, Teamwork, Problem-solving, Adaptability, Time Management