Nicolò Ghignatti

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EDUCATION

Bachelor in Computer Science   Cesena, IT | Septermber 2021 - July 2024
ALMA MATER STUDIORUM - UNIVERSITY OF BOLOGNA
Coursework: C • Computer Architecture • Calculus • Data Structures and Algorithms • OS • Linear Algebra • OOP • Physics • Numerical methods • Statistics and Probability • Database • Physics • Network programming • HPC • Operative Research • Embedded System and Internet of Things • Web Technologies • Software Engineering • Virtualization and Sistem Integration • Cryptography

Two Year Master in Computer Science and Engineering   Cesena, IT | Septermber 2024 - Current
ALMA MATER STUDIORUM - UNIVERSITY OF BOLOGNA
Coursework: Distributed systems • Information systems • Languages, compilers and computational models • ML • Concurrent and Distributed Programming • Cybersecurity • Programming and Development Paradigms • Big Data • Software Process Engineer • Software Architecture and Platform • Application and Web Services

WORK EXPERIENCE

DINEMA S.P.A | [INTERNSHIP] DATABASE DEVELOPMENT AND TECHNICIAN   Bs, IT | May 2019 – Jun 2019
- Designed and implemented different queries to help data access for users with SQL in relational database
- Built desktop computer solutions for users

DUCKMA AND IIS LUIGI CEREBOTANI | [INTERNSHIP] WEB APP DEVELOPER   Bs, IT | Jan 2021 - Apr 2021
- Web app development in Vue (with Vuetify framework) and Javascript
- Backend development using Python
- demo : https://chrono.cerebotani.it

PERSONAL DATA S.R.L. | [INTERNSHIP] WEB APPLICATION DEVELOPER   Bs, IT | Jan 2020 – Feb 2020
- Web app development using HTML, Bootstrap, Javascript, CSS and PHP

SMICHOV SECONDARY TECHNICAL SCHOOL | [INTERNSHIP] IoT DEV   Prg, CZ | Sep 2020 – Oct 2020
- Computer maintenance
- Smart parking creation with Arduino

QUINCK S.R.L. | [INTERNSHIP] BLOCKCHAIN DEVELOPER   Bo, IT | Mar 2024 – June 2024
- Dapp developement on ICP blockchain

PROJECTS

PIXFORMER GAME ↗   JAVA
A game that emulate Super Mario, focusing on OOP fundamentals and advanced patterns.

HPC PROJECT ↗   C - CUDA
Simulates overlapping circles and iteratively resolves their intersections using repulsion forces

STAKESHARE NFT APPLICATION ↗   RUST
Application designed to facilitate the management of participation shares in various initiatives, leveraging blockchain notarization to ensure transparency and security.

CASIMO ↗   SCALA
A github pages-hosted application to simulate casinò

PHAINT ↗   SVELTE/GOLANG
A collaborative drawing/mockup creation app

GLYPHIT ↗   RUST
A emoji-based conventional commit builder

OPEN SOURCE PROJECTS CONTRIBUTIONS

THE RUSTBOOK [↗]   Rust

SKILLS

Languages: Java • C • Py • C# • PHP • Rust • CUDA • Scala • Go • Prolog • HTML • CSS • Js • Ts
Technologies: Git • Docker • ICP • Arduino • SQL • NoSQL • NodeJs • Apache Spark
Others: Vue • Sveltekit • React