

ANDRÉS QUIRÓS ROJAS

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PROFESSIONAL SUMMARY

Backend-oriented Software Engineering student with hands-on experience building compilers, REST APIs, web applications, and machine learning pipelines. Strong foundation in data structures, algorithms, and system design. Focused on clean architecture and scalable systems. Seeking internship or junior roles.

TECHNICAL SKILLS

Languages: Python, Java, C++, JavaScript, C#

Backend & Web: REST APIs, HTML5, CSS3,

JavaScript **ML & Data:** Scikit-learn, TensorFlow,

Data Analysis **Tools:** Git, Streamlit, Pandas,

Plotly, ANTLR4, .NET **Databases:** Supabase,

Firebase

PROJECT EXPERIENCE

MonkeyCompiler – Built a full compiler with lexical, syntactic, and semantic analysis, AST, and custom virtual machine. Applied modular architecture.

ML Dashboard – Developed ML pipeline with preprocessing, cross-validation, SHAP interpretability, and interactive dashboard.

Time is Money – Web app converting expenses into work time using JavaScript, Canvas API, and LocalStorage.

GanadoPro – Web-based livestock management system with Supabase integration and modular frontend.

EDUCATION

Tecnológico de Costa Rica – Computer Engineering (2023–Present)

ADDITIONAL EXPERIENCE

International Volunteer (FISU 2024) – Coordination and teamwork in multicultural environments.

LANGUAGES

Spanish (Native) | English (A2/B1)