

Diogo Soares

Aspiring innovator of software, third year CS student.



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PROJECTS

CheckIn OS — Event Management System

A software primarily built with Next.js allowing importing and exporting of attendees, seamless authentication and the ability to check-in customers using QR codes. It has featured in 2 events, the most notable being Data Protection Forum 2025 with 254 attendees.

MonAT — Monetized API Template

A simple REST API which provides the customer with an API key to access an endpoint. Depending on the usage, the user is billed more or less. This project implements Stripe so you can customize the exact billing amounts and periods.

Luggage Sorting Robot — Embedded System using Sockets

As a group of 5 people we used Rust and a Raspberry Pi to build a robot which sorts colored discs, analogous to luggage at an airport conveyor belt. The system can be controlled with a UI which taught us how to implement WebSockets and gave us a 9 as the grade.

Phantom — Blockchain with Validator Rewards

Built a simple blockchain from scratch with a custom VM implementation which replicates the state of each block. It is programmed in Go and can spawn blocks locally that communicate via TCP with each other.

EXPERIENCE

ProServe Consultant, AWS — Intern

- Created a chatbot for legal assistance using serverless technologies such as Lambda functions.
- Developed my consulting expertise by attending workshops and finally presenting my project to the customer.

EDUCATION

Eindhoven University of Technology, Eindhoven — Computer Science and Engineering

SEPTEMBER 2023 - PRESENT

Took a course on stochastic simulation where I learned statistical techniques such as Monte Carlo. The degree is set to end in 2026.

AWS, Amsterdam — AI Practitioner + Solutions Architect Associate

JUNE 2025 - JULY 2025

Completed 2 AWS certifications, giving me confidence in the services and how GenAI can be used in a software architecture.

SKILLS

Leadership and teamwork - basketball team captain for 4 years. Responsibility: leading warm-ups and motivating the squad.

Technical tools: Experienced with Git, Linux and Vim commands.

AWARDS

BRONZE CERTIFICATE

Senior Mathematical Challenge 2022 - United Kingdom Mathematical Trust

Annual Attainment Award 2021/22 Year 12 Computer Science,

Annual Form Group Award 2020/21,

Speech Competition Winner 2016 - The British School of Barcelona

LANGUAGES

C, SQL, Typescript, Rust and Python.
English
Spanish
Portuguese