

# 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.

### 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.

### Phantom — Blockchain with Validator Rewards

A simple blockchain build 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 with TCP with each other.

## EXPERIENCE

### ProServe Consultant, AWS — Intern

Role where I created a chatbot for legal assistance using serverless technologies such as Lambda functions. In addition, I 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  
Catalan  
Portuguese