

# Clément Saccoccio

## Computer Science Engineering Student

### Education

**3-year Graduate Engineering Degree** ENSEIRB-MATMECA Talence, France / Since 2020

<https://www.bordeaux-inp.fr/en>

- main subjects: algorithms, programming, database, network
- secondary subjects: mathematics, law, project management, English

**2-year Technological University Degree** IUT Gradignan, France / From 2018 to 2020

- main subjects: algorithms, programming, database, network
- secondary subject: economics, law, operations of companies
- ranking: first in classe

**High School Graduation** France / 2018

- scientific curriculum
- passed with honours

### Work experience

**Internship: Rust and WebAssembly development** Lectra / From June 2022 to August 2022

- Creation of a tool in Rust and WebAssembly allowing the display and debugging of files intended for textile cutting machines.
- Update of a CI managing cross-compilation (Linux, WebAssembly and Windows).

**Internship: Fullstack development** inBlocks / From June 2021 to August 2021

- Re-implementation in Java of a JavaScript/Node.js service managing a blockchain.
- Implementation in Java of a micro-service managing ledgers.
- Vue.js/TypeScript development on the client interface.

**Internship then fixed-term contract: Backend development** OpenFlyers Web Developer / From July 2020 to September 2020

- Implementation in PHP of a first flight reservation website for flying clubs.
- Deployment of new versions on production servers.
- Technical support for customers (flying clubs).
- Work on the administrative document management engine.
- MySQL administration.

### Personal Projects

**Connect 4** (<https://top.gg/bot/761292824695013416>)

*Technologies:* Node.js, TypeScript, PostgreSQL, Docker

*Number of users:* 60 000

*Top.gg rating:* 4.88/5 (average of 26 reviews)

Discord bot for playing ranked games of Connect 4 in Discord text channels.

**Kingdom Blazon Generator** (<https://cl00e9ment.gitlab.io/kingdom-blazon-generator/>)

*Technologies:* JavaScript, TypeScript, HTML, CSS, Gitlab CI/CD

*Steam rating:* 4/5 (average of 109 reviews)

Web application allowing the customization of a coat of arms for the Kingdom game.

**Personal Server**

*Technologies:* Docker, Docker Compose, Træfik, Bash, Raspberry Pi, GitLab

Set of about twenty services running on a Raspberry Pi for the needs of my personal projects. All of them work in containers and are accessible via a reverse-proxy (Træfik). Part of the Docker images are built using a GitLab CI/CD pipeline.

Other Projects: <https://c-saccoccio.fr/#projects>

✉ caccoccio@enseirb-matmeca.com

☎ +33 6 95 35 18 03

🏠 33170 Gradignan, France

🌐 <https://c-saccoccio.fr>

### Languages

French

- mother tongue

English

- IELTS 7.5/9
- giving oral presentations
- conversing, giving one's opinion
- writing technical reports

### Skills

general purpose programming

- Rust
- C / C++
- Java / Java EE / Maven

web

- JavaScript / TypeScript
- Node.js / NPM
- Vue.js / React.js
- HTML / CSS
- PHP

administration

- Docker / Docker Compose
- GitLab CI
- Træfik
- Bash
- AWS (EC2, S3)

database

- SQL / MySQL / PostgreSQL
- MongoDB / Redis

### Personal Qualities

- Teamwork
- Initiative-taking
- Autonomous

### Extracurricular Activities

- Aerospace (practiced amateur rocketry in a club)
- Electronics (building a 8-bit computer on my free time)
- Travel experiences in UK, Italy, and Spain