

AUGUSTIN SOREL

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Upcoming BSc graduate offering a strong foundation in software engineering. Experienced in full stack web development, object-oriented programming, data structure, algorithm and testing.

PROFESSIONAL EXPERIENCE

Tarmac Technologies, Paris - remote, FR June 2022 – October

Front End Developer

- Performed software maintenance and delivered new features for two major codebases designed to be used by airline companies and airports ground workers.
- Partnered with back-end developers and created a dynamic dashboard with live data using Typescript and React, resulting in website leads increase by 15%.
- Wrote modular, reusable and well tested components with React and Typescript that are currently being used by more than 10 000 of active users.
- Followed a strict TDD method to deliver code with a test coverage of almost 100%.
- Worked in accordance with Agile, attending daily Scrums and working in weekly sprints.

PROJECTS

Fullstack - Nextjs 13 - [gym-graphs](#) July 2023 – October

Gym Graphs

- A web app that allows users to track their gym progress. The app will calculate the one rep max of each of their exercises and will display the data with graphs.
- Users are able to authenticate with the help of google, github or email.
- Technologies used: Nextjs 13 with app router typescript tailwind drizzle postgres aws ec2 zod nextAuth visx radixUI dnd-kit.

Algorithm - Typescript - [ts-interpreter](#) May 2022 – June

Typescript Interpreter

- Fully programming language made from scratch with TypeScript. It supports OOP, classes, inheritance, user defined functions, built in functions, variable assignments and loops.
- Users can write their own programs in a dedicated playground and view the output in a terminal.
- Technologies used: Nextjs typescript monaco-editor

Simulation - C# WPF - [double pendulum simulation](#) January 2021 – June

Double Pendulum Simulation

- A complete customizable double pendulum simulation where users can change the weight, friction, gravity and radius of each circle. Giving a true chaotic double pendulum.
- Technologies used: C# WPF XAML

EDUCATION

Leicester University, Leicester, UK September 2021 - Present

Bachelor of Software Engineering

- Awards: Best first year undergraduate with an overall grade of 90%.
- Achieved: Discrete Mathematics (95%), Computer Architecture(96%), Algorithms, Data Structures and Advanced Programming (87%), Computer Architecture(96%), Object Oriented Programming (99%).

Peter Symonds College, Winchester, UK 2019 - 2021

A Level - Math, Computer Science, French

- Achieved: A*, A*. A in those classes respectively.