

Rayane Tayache

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EDUCATION

University Of Strasbourg

Strasbourg, FR

Bachelor of Computer Science | GPA: 12.7/20

Expected Fall 2024

- Related Coursework: Data Structures and Algorithms, Web Applications, Intro to Computer Architecture, Discrete Mathematics, Functional programming, Calculus, Algebra.
- Activities: HackThe6ix, //Slash Hack, HackaTUM, GitHub Field Day London

TECHNICAL SKILLS

Languages: JavaScript, Typescript, C, C++, Python, Java, Haskell, Bash, ASM, SQL.

Framework/Tools: ReactJS, MongoDB, NodeJS, HTML, TailwindCSS, Git, Figma, Makefile, L^AT_EX, Vim/VsCode

Human Languages: English (Fluent), French (Native), German (Elementary)

EXPERIENCE

Software Engineering Summer Bootcamp

June 2022 – July 2022

42 Berlin

Berlin Area, DE

- Developed and designed an Intelligent Integer Interpreter and a Sky-Scraper Solver and along the way I re-created entire C libraries such as `<stdlib.h>` and `<string.h>`
- Implemented a task automation algorithm using Bash and Shell command, established daily saving time for software developers up to 9%.
- Succeeded and certified with 40 Fellows among 140 participants!

Mathematics Tutor

November 2020 – February 2021

High School Math Society

Strasbourg, FR

- Taught/Helped a group of 8 students in Calculus, Statistics and Probability, @ High School of Marie Curie.
- Participated in competition to solve complex mathematics problem during MathEnJeans.

PROJECTS & AWARDS

Track | *ReactJS, NodeJS, MongoDB, ExpressJS, TailwindCSS*

August 2022 – Present

- Track is an expense tracker that enables collaboration between people when budgeting. Different peoples in a group are able to plan their expenses, and the data is automatically compiled together.
- Led a Team of 4: designed overall website, implemented responsive pages, authentication system and contact form using EmailJS
- Winner out of 300+ Hackers @ HackThe6ix '22 (First Hackathon)

RidOf | *ReactJS, Flask, YOLOv3, Pillow, ProtoBuf, MySQL*

September 2022 – Present

- RidOf is an educational web application aimed at simplifying the process of recycling the objects of your daily life.
- Developed and designed the core frontend, Landing page/Explore Page/Item Page/FAQ Page, used webcam-react to give information to proceed with YOLOv3 AI, and react-routerv6.
- Achieved 3rd place out of +200 Hackers and +40 Teams @ //Slash Hack '22

Intelligent Integer Interpreter | *C, Make*

July 2022 – Present

- Led team of 3: organized meetings, delegated tasks, helped teammates debug.
- Implemented an algorithm capable of taking the numerical form of an integer and returning his alphabetical form in the Terminal extracting information from a dictionary

Sky-Scraper Solver | *C*

June 2022 – Present

- Developed an algorithm capable of solving the sky-scraper game using backtracking leading to a final grade of 100%

LEADERSHIP & INTEREST

- Co-Organiser @ GitHub Field Day Berlin 2022, Tech Event Organiser @ AIUS
- Hackathon Enthusiast, Runner, Hiker, Table Tennis, Traveller, Chess