Victor SIMON

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Education

Ecole Centrale, Nantes, France
2023-2026

Master of Science and Engineering in Computer Science

Relevant Courses

- Data Structures and Algorithms
- Object-oriented Programming
- Software Engineering
- Discret Mathematics
- Cybersecurity
- Data Analysis
- Web and Mobile Development
- Systems and Networks

Technical Skills

- **Languages** : Python, Java, C++, HTML/CSS, JavaScript, SQL
- **Tools** : MATLAB, Google Cloud Platform, Android Studio
- **Technologies** : VSCode, Git and GitHub, WordPress, Figma

Experiences

Tutored teaching of students in Preparatory Classes
Sep 2023 - Present

- Teaching Mathematics, Computer Science and Physics concepts to Preparatory Classes Student at Clémenceau and Nelson Mandela Highschool, Nantes, France
- On a weekly basis : creating lessons plans, solving exercises to help them understand theoretical concepts
- Provide mentorship to students through developing individualized relationships outside of instruction time

Internship in an Insurance Firm, GAN Insurance, France
Jul - Aug 2022

- Customer reception, Quote preparation, Mail management
- Customer meetings and canvassing potential customers

Worker Internship in an Aquapark, BEFUN Aquapark, France
Jun - Jul 2024

- Installation and Opening of the Aquapark during 2 weeks
- Customer reception, Ensuring security on the park, daily opening and closing

Projects

Solar System Simulation
Dec 2021 - Mar 2022

Numerical Resolution of the N-Body Problem and Simulation of the Deviation of Asteroids.
- Octree and Barnes-Hut Algorithm
- Physical model of the deflection of a near-Earth asteroid

FL-AI-PPY Bird
Jun - Aug 2024

A Neural Network Built From Scratch Learn with Genetic Evolution Methods To Play Flappy Bird.
- Object-oriented Programming and Deep Learning
- Recreate the Famous Game : Flappy Bird

Trafic Jam Study
Nov 2022 - May 2023

By Simulating and Statistically Analysing A Road Network, we Observe the Braess' Paradox.
- Intricate Project involving Statistics, Physics and Computer Science
- Relevant Result which correlates with the Braess' Paradox

Portfolio Website
Jan - Mar 2024

Describe my projects, find source code, and more ...
- Built in HTML/CSS and JavaScript
- Hosted with GithubPages