

Contact



+33 (0)650782197



helene.hassan@grenoble-inp.org



Personal website



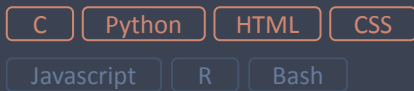
HelenHsn

Languages

- French (mother tongue)
- English (C1, TOEFL iBT score of 98/120 : R:26/L:25/S:23/W:24)
- Spanish (B1+)
- Arab (A1, spoken)
- Japanese (A2)

Skills

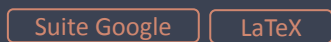
Programming



Others



Office



Interests

Music (clarinet, guitar)

- Certificate in music studies in clarinet

Climbing (bouldering, rock climbing)

Game development

Reading (mostly scientific)

Hélène HASSAN

A highly passionate and hardworking student who has begun her second year in an Engineering school specialized in applied mathematics and computer science, achieving excellent grades in first year. Seeking an internship from two to three months in 3D modeling or GPU computing starting from May 2023 in order to build upon a keen scientific interest. Eventual career goal is to become fully qualified in the field of 3D modeling.

Schooling

Since September 2021

Engineering Degree (ENSIMAG)

Graduate School of Engineering school in Applied mathematics and Computer Science, Grenoble.

Specialty : mathematical modeling, vision, graphics and simulation.

Ranking (first year) : 4th

September 2019 – June 2021

Pre-engineering preparation in

maths/physics/computer science for the entrance to French “Grandes Ecoles”

Intensive scientific courses.

Rank : 1/400

September 2016 – June 2019

French High School Diploma (Baccalauréat) awarded with highest honors (19,18/20)

Secondary school in Grenoble, France.

Main subjects : maths, physics, biology, chemistry.

Professional experiences

18 July 2022 - 8 August 2022 (3 weeks)

Seller at Ikea Grenoble

Handling of the clients' requests, restocking and maintenance of the shelves.

November 2021 - Mars 2022 (4 months)

Mentoring at la Prépa des INP

Dispense of courses related to mathematics, physics and chemistry to two first-year students who experienced difficulties in these classes.

May 2021 – June 2021 (6 weeks)

Internship at LDLC, Saint-Martin-d'Hères

Computer set-ups (installation of Windows OS, assembly of the computer's components). Restocking (packages reception, placement in the shop...)

School projects

- **Modelisation of Monte Carlo's Method in python (from scratch), solo work**

Computation of pi's approximation using Monte Carlo's method with the given parameters in the command line. Generation of a GIF showing the evolution of pi's approximation using .ppm images. Each approximation is written on each frame using a 7-segment display for each digit.

- **Library for graphical interfaces in C, teamwork**

Library entirely coded in C, similar to tkinter in python (uses the concept of widgets and geometry managers to place elements on the screen). This library handles the addition of new types of widgets and geometry managers by the user.

Personal projects

August 2022 - September 2022

- **Raycaster in C using SDL library**

Graphical interface built from scratch with SDL. Allows the user to render light and shadow and creating obstacles (lines, curves, rectangles, etc...).

Since June 2022

- **Website**

Small website built from scratch to present my CV and my projects. No framework was used for the Javascript part. Go check it out ! (link above in the “Contact” section)