

## Contacts :



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## CS Knowledge & Skills :

- UNIX:
  - Bash
  - macOS Environment
- WEB DEVELOPMENT:
  - HTML, CSS
  - PHP, JavaScript
- APPLICATIONS:
  - Java, Swift (basic knowledge)
- SOFTWARE:
  - Python (Pygame, Matplotlib, Numpy)
  - C (Threads, Network Programming)
  - MATLAB
- OTHERS:
  - SQL
  - LaTeX
  - OCaml

## Languages :

- French : Native
- English : Fluent  
Cambridge Certificate level C1
- Spanish : good understanding and competent in reading

## Soft Skills :

- Rigorous
- Organized
- Autonomous
- Curious

## Leisure :

- Reading
- Singing
- Playing the guitar
- Archery

# Elisa Chien

2nd year Engineering Student seeking a 3-month internship in Software Development between June & August 2025.

## Education

### BORDEAUX GRADUATE SCHOOL OF ENGINEERING

2023 - Today

Second-year student in a 3-year graduate course leading to a Master's degree in Telecommunications. *Talence*

#### Relevant Coursework:

- **MATHS:** Probabilities, Optimization, Statistics
- **IT:** Bash, Python, C, Operating Systems, Java, Web Development
- **NETWORKS:** Network Programming, Protocols, Telecommunications network...

### SAINT-LOUIS HIGH SCHOOL

2021 - 2023

Two-Year Intensive Undergraduate Maths, Physics, and IT courses preparing nationwide competitive exams for French Grandes Écoles. *Paris*

#### Relevant Coursework:

- **MATHEMATICS:** Analysis, Algebra, Probabilities
- **IT:** C, OCaml, Formal languages, Dynamic Programming, Optimization, Automaton.

### PAUL LAPIE HIGH SCHOOL

2018 - 2021

High School Diploma in Mathematics & Physics with distinctions *Courbevoie*

- Mathematics, Physics & IT courses.
- European Class (Courses in English)

## Experience & Charity Work

### DIRECTORATE GENERAL FOR CIVIL AVIATION | JUNIOR CONSULTANT

JUN-AUG 2024

*Athis-Mons*

- Project management
- Organized and led 6 workshops :
  - Kick-off
  - Gathered detailed information from stakeholders.
  - Ensured alignment and technical clarification
- Coordinated with cross-functional teams
- Created two sets of functional and technical specifications.

### SOPRA STERIA | TUTORING OF HANDICAPPED HIGH SCHOOL STUDENTS

DEC 2023 - MAY 2024

*Talence*

- Tutored and mentored a disabled high school student from Louis Victor High School.

### LES RESTOS DU CŒUR | PROJECT LEAD

NOV-DEC 2019

*Courbevoie*

- Initiated a school-wide toy drive for Christmas holidays.
- Collaborated with French NGO Les Restos du Cœur, Paul Lapie High School & Youth Center Écollectif Briand.

## Projects

### Harvard's CS50AI : Minesweeper, PageRank, Tic Tac Toe, Nim, Parser...

JAN-MAR 2024

Completed a dozen Python projects for CS50's Introduction to Artificial Intelligence courses that included Neural Networks, Q-Learning, Reinforcement Learning...

### Academic projects :

2022-2024

- **Evacuation Simulation of a Building** : Year-long project made in OCaml. Examined crowd motion research papers and developed an evacuation simulation of a building, aiming to find optimal solutions to evacuate
- **Seismic App** : Months-long project made in Matlab. Application designed to systematically dispatch rescue teams to areas affected by earthquakes and to promptly issue warnings regarding potential tsunamis

### Space Invaders, Solitaire, Snake, Othello, 2048...

2020-2024

Designed and built multiple games in Python, Java, OCaml & C by using libraries such as SDL, Pygame, Graphics.