

# Mathieu Jay



Autonomous, motivated and excited about learning new things I am looking for an internship starting in april 2025 that would combine my passion for programmation and language learning to discover new horizons.

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International driving license

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## Education and diplomas

- **Bachelor of computer science** *On going* 2023 - 2025  
International diploma track  
*IUT of Bordeaux-Gradignan (33) France*
  - Elected President of the student association
    - Organizing various events (competition, parties..) for the students
    - Responsible of the communication between students and professors
    - Selling snacks and drinks to the students
  - Elected delegate of first years students
    - Represented the first years in meetings with the delegates professors to vote for new measures
- **Passed the BACCALAUREAT with distinction** 2022  
As an independant candidat  
Main subjects : Computer and Digital Sciences, Maths and Economic Sciences
- **First aid course PSC1** June 2022  
La croix-rouge française

## Skills

### Computer science skills

- **Computer languages**  
Java, Python, Java-script, HTML/CSS, SQL, PHP, Haskell, C#, C
- **Softwares**
  - Visual Studio code
  - Microsoft SQL server
  - GIT
- **Trained skills**
  - Designing, making and maintaining updated web sites
  - Creating and filling databases
  - General development of application (front-end and back-end)
  - Graph theory and general application of graph algorithms in Java
  - Manipulating large chunks of data using Python and Pandas, used Numpy to calculate statistics data out of it
- **Past projects**

#### Coding an entire application attached to a database in order to put data on maps

- **Analysing** the need of a client and making a specifications document
- **Supervised** a team of 5 students making an entire application from scratch with a database, using python for the **back-end** and C# for the **front end**
- Linked our database to the application and made the user able to create custom maps to **display** on the interface.

#### Making a Java application to visualize custom complexe graphs

- **Coding** an application to visualize graphs on Netbeans according to custom files with nodes coordinates.
- Implemented the Prim algorithm to get the **minimum spanning tree** of graphs.
- Implemented an **edge-bundling algorithm**, using BFS to find the shortest path

### Linguistics skills

French : Mother tongue

English : Spoken professionally

Mandarin Chinese : Spoken

Spanish : Fluent reading/writing

Japanese : Beginner

#### Making an IA to play a game against others students

- Made an IA in two weeks to **compete** in a tournament against others students
- Taught the IA **different strategies** in order to find the most effective one.
- Came out 3th of the **tournament** amongst all the first years

## Profesional experience

- **Home stay helper**  
**Taiwan** Fu-yam Tourist home August 2024  
Work in exchange of accomodation
  - **General work** in the home stay following directions fully in the Mandarin language : Cleaning rooms, gardening, helping in the kitchen.
  - Taking care of the guest **using Mandarin** with Taiwanese customers and English with international customers (25 % of international customers) : **Welcoming** guest and introducing them to the place, **serving** them dinner, **helping** them with various requests.
- **Temporary work agency**  
Randstad Libourne (33) **France**
  - Assembly line Agent** September - december 2022  
In a big Ice-cream production company (24-hour rotating shift work)
    - Assembly line production, packaging and quality control of goods, cleaning of the factory
  - Other temporary jobs** Summer vacations 2022-2024
    - Grape picking and wine manufacturing
    - Preparation of orders for supermarkets
    - Public cleaning agent
- **Working holiday visa**  
**Australia** 2022-2023
  - Supermarket KMART BroadBeach Gold coast (QLD)  
2 months  
Worked in **direct contact** of the clients using English.
    - Cashier
    - Shop floor assistant for clothing
  - WattleBanks restaurant Richmond (TAS)  
1 month  
Worked at the front desk in a **fast paced environment**, helped in the **kitchen** when it was needed
    - Taking orders and serving customers
    - Fry cooking fish and chips
  - Pinata farm (TAS)  
3 weeks
    - Picking raspberries and strawberries
      - Working from **10 to 12 hours** a day on harsh weather condition (Sun and heat)
    - General maintening of the farm
      - Weeding and taking care of the crops
- **Au Sain Gourmet - family cheese business**  
Occasional work 2018 to 2023
  - Attending local markets, setting up the stand, serving clients and managing the cash till.
  - Helping with making cheese in the Laboratory,
  - Packing and labelling.

## Interests

- Learning and speaking foreign languages
- Travelling
- Chess
- Surfing
- Running
- Playing Ukulele
- Singing
- Making youtube videos
  - Filming, editing, uploading.