

# MENELIK NOUVELLON

Zurich, Switzerland, 21 years old

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## EDUCATION

Swiss Federal Institute of Technology in Zürich (ETHZ)

*Master in Data Science*

September 2023 – Present

*Zurich, Switzerland*

Politecnico di Milano (exchange year)

*Bachelor in Communication Systems*

September 2022 – July 2023

*Milan, Italy*

Swiss Federal Institute of Technology Lausanne (EPFL)

*Bachelor in Communication Systems - CGPA : 81%*

September 2020 – July 2023

*Lausanne, Switzerland*

French International School of Bangkok

*French scientific Baccalaureat (obtained with highest honours) - CGPA : 97,5%*

September 2017 – June 2020

*Bangkok, Thailand*

## COURSEWORK / SKILLS

- Data Structures & Algorithms
- Computer Architecture
- Machine Learning (Python)
- Statistics
- Computer Network
- Web Development
- Probability and
- Parallelism and Concurrency

## PROJECTS

Portable Arcade [🔗](#) | *Done in Python and C++*

February - June 2022

- **Collaborating** with 4 partners to create a Portable Arcade Machine with modular inputs
- **3d modeling** using Fusion360 to design and print the different parts of the inputs and the box
- **Designing** a python program to translate the output of the arduino into input for the game emulator on the raspberry py
- **Creating** inputs (steering wheel, joystick and glove) with arduino boards

TheProtocolNFT [🔗](#) | *Done in HTML, CSS and Javascript*

May - July 2022

- **Developing** the project homepage website for a new NFT project called TheProtocolNFT
- **Using** ThreeJS to include a 3D interactive object representing the NFT

Snake [🔗](#) | *Done in Assembly (Nios II)*

September - December 2021

- **Leading** a team of three persons to develop an FPGA-based snake game.
- **Using** the Nios II simulator to fix major bugs.

Ticket-to-Ride [🔗](#) | *Done in Java with OpenJDK 11.0.3 (IntelliJ Id)*

February - June 2021

- **Collaborating** with a partner to create an interactive online board game
- **Adding** new action options for the player, the possibility to play remotely and other extended features such as sound effects, menu and animations.
- **Creating** a new gaming interface

Pac-Man game [🔗](#) | *Done in Java with OpenJDK 11.0.3 (Eclipse)*

September - December 2020

- **Building** an arcade game with a student using GitHub.
- **Adding** advanced behaviours components such as teleportation, player slowdown, and two-player mode (one of the player is a ghost)

## INTERNSHIP / WORK EXPERIENCE

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### 10Academy

*Content optimiser engineer intern*

july-september 2023

Addis Abeba, Ethiopia

- Upgraded **educational content** to closely align with the latest demands in AI and Web3 industries, ensuring materials were directly applicable to emerging job markets.
- Engaged in a two-month internship in Addis Ababa, concurrently enriching my **cultural and linguistic knowledge**, enhancing my ability to connect and communicate in diverse settings.

### Truster (Startup project)

*Co-Founder*

august 2022-february 2023

Milan, Italy

- **Co-developed** a platform connecting relocators with locals for efficient apartment searches, reducing costs and time.
- **Tackled** development challenges, enhancing problem-solving and market research skills.

### Gevena Trade Center

*Intern*

august 2022

Geneva, Switzerland

- One week in Geneva trading room to learn about the trader's profession

### Municipality of Ecublens : Job

*Cleaner*

july 2021

Ecublens, Switzerland

- Cleaning of school buildings

### Private tutoring

*Tutor*

jan 2019 – july 2020

Bangkok, Thailand

- **Private lessons** and support for primary, middle and high school students

### Snipfeed

*Data Scientist*

oct 2019 – nov 2019

Los Angeles, USA

- **Data visualization and Machine Learning** given a dataset of the users of Snipfeed
- **Discover** how a startup works

## TECHNICAL SKILLS

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**Languages:** Python, Java, C, HTML/CSS, JavaScript, Assembly, Scala, VHDL

**Developer Tools:** VS Code, Geany, IntelliJ Idea Ultimate, Word

**Technologies/Frameworks:** ThreeJS

## EXTRACURRICULAR

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**Sports :** Football and Rugby at high level (Asia Pacific Championships), Wake-board and Snowboard, ukulele

**Languages :** French (native), Portuguese (proficiency), English (C1 level and IGCSE in English Literature), Spanish (B1 level)

**Entrepreneurship :** Finalist @ University startup challenge (sustainability challenge), Developed a startup app called Truster

## CERTIFICATIONS

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- HTML, CSS and JavaScript
- Mathematics specialization for Machine Learning
- Java Programming and Software Engineering Fundamentals
- Specialization on the Python language