

# ISHKHANYAN Gevorg

Aspiring GPU and CPU Hardware Designer | Engineering Student | Looking for an internship in April 2025

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## Skills

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- SystemVerilog | C | C++ | Python | Matlab & Simulink | Git | Shell | KiCAD | Solidworks | SMD, BGA Soldering | PartQuest
- Spoken languages : French (C2 native), Armenian (C2 native), English (C1 advanced), German (B1 intermediate), Russian (A1 beginner)

## Experience

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### MPU marketing internship

Microchip Inc.

01/2024 - 02/2024

- Analyzed the competition in microprocessors (MPU), looking at datasheets of competitors' products and the software ecosystem
- Found 7 key points for improvement in MPUs and Software. Set up an Excel comparison tool to provide sales staff with relevant sales arguments and counter-arguments
- Worked hand-in-hand with a team of senior engineers and sales people to identify market strengths and weaknesses

### Technical Manager

Minitel Association

02/2024 – 04/2025

- Managed the student residence network (WIFI and VPN generation)
- Monitored the IT smooth operation with Scaleway and Unify

### Computer repairer (alongside studies)

Independent

09/2021 – 09/2024

- Repaired more than 70 faulty PCs since 2021
- Reconditioned electronic components using soldering techniques

## Education

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### Master's Degree in Engineering

Ecole des Mines de St Etienne

09/2021 - 09/2026

- ISMIN course ( Microelectronics and Computer Science Specialized Engineer)
- Processor and FPGA architecture, Hardware design and verification, PCB Design
- Microcontrollers, Embedded systems, Solid foundations in Analog and Digital Electronics

## Projects

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- RISC-V Processor design on Logisim-evolution
- Linux **multithreaded** application, Naval battle Game, developed in **C**
- **SystemVerilog** development of ASCON128 cryptographic function
- Autonomously navigating robot design and program, with object detection, on **STM32CubeIDE**
- Hangman and Scrabble Word Games in **Python**
- **Wordpress** Portfolio website
- Head of the **French Robotics Cup** at AREM robotics association : Supervising a team to create a robot for the Robotics Cup
- (More projects on my [GitHub](#) and website)

## Certificates

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- Certificate of Computer Science and Programming using Python: MIT's edX online course
- Certificate of Entrepreneurial skills acquired through the "Entrep" entrepreneurship field training program
- Certificate of Advanced Excel mastery