Association 42
96, Boulevard Bessières
75017 Paris
FRANCE

ACADEMIC RESULTS FOR MATÉO GIRARDOT

I, the undersigned Sophie VIGER, Managing Director of 42 Paris located at 96, Boulevard Bessières, 75017 Paris, FRANCE, hereby certify that:

Matéo Girardot, born on October 07, 1996 in Saint-Cloud (France)

obtained the grades detailed below as of February 26, 2025.

This certificate is delivered upon request for all legal intents and purposes.

Selected in: **August 2021**
Curriculum started on: **November 22, 2021**
Curriculum ended on: **-**

Founded in 2013, 42 is a worldwide network of ICT schools. We are a non-traditional educator offering high-quality and scalable software engineering education to anyone who wants to learn.
It is our mission to prepare the next generation for the jobs of today and tomorrow. We do so using an innovative educational model, which relies on peer-to-peer learning, project-based and hands-on approach to programming. Our innovative model, allowing individual pace and path, has proven that our students become industry-ready software engineers within 2 to 5 years.

The progression of the student inside the curriculum is represented by its level, over 21.
The current level of the student is: **10.88.**

The 42 curriculum is divided into two halves: the common core and the 42 advanced part. Once students complete the first half (the common core), they have the option to either continue their journey in the 42 advanced part, or conclude their progression and become an alumni at any point during this second part.
The current situation of the student is: **in the Common Core.**
See details below.

Made in Paris, on February 26, 2025

DETAILS

Here is a description of each part of the curriculum and the current position of the student:

The Common Core

The common core of the 42 curriculum represents the minimum set of skills to be ready for a first professional experience. It provides basic and standard coding skills, as well as a fruitful range of soft skills. The delay of the CC is approximately between 1 and 2 years. The following information represent the skills developed during this part of the curriculum and the current progression of the student:

Matéo Girardot : Common core achieved at: **87%.**

Developed skills during the entire common core:

- ***Algorithms & AI:*** Standards algorithms on standards structures: searching, sorting, insertion, deletion, balance, on: arrays, linked lists, trees. State machine and asynchronous management.

- ***Graphics:*** Image management, RGB structure of an image, manipulating areas, drawing into an image, interacting with the window management system and getting user events and inputs from keyboard and mouse, programming with callbacks and event loop.

- ***Group & interpersonal:*** Collaboration, relationships and group management situations, including different kinds of interactions between people (friendly, tensions ...)

- ***Imperative programming:*** Basics of coding in C : the C syntax, variable, loops, conditional branches, functions, recursivity, instructions, calculus and expressions, comparisons operators, standard and advanced types, strings processing, structures, includes and libraries, memory allocation and release, linked lists, trees, the C standard library

- ***Network & system administration:*** Basics of computer networking : IP addresses, subnets, default routing, local network structure, host to host connectivity to network services; Basics of system administration : operating system installation with Linux, setting up security, access, users, storage, installing network services like mail, dns, web server, ...

- ***Object-oriented programming:*** Object programming principles in C++, classes, namespaces, constructors and destructors, memory management in C++, inheritance, abstraction, overloading, templates, standard C++ library types and tools

- ***Rigor:*** The need to fulfill administrative and technical constraints. The need for a wide and deep testing process to eliminate failure.

- ***System programming:*** Classic Unix system interactions : system calls, filesystem access and management, process creation, execution, management; inter-process communications : pipes and signals; device management and ioctl, terminal capabilities; network communication : TCP & UDP sockets, DNS resolution, endianness

- ***Web:*** The client-server architecture involved in the web, role and actions of the web server, role and actions of the web browser; The HTTP protocol; Web technologies involved : HTML, CSS, Javascript, images and videos; Backend language and framework for dynamic websites: one among php, ruby, python, go, javascript, Rails, Symfony, Django, Node, ... ; MVC model; users web services : web sessions, authentification, cookies, search, caddie, backoffice configuration, ... ; Basics of user experience, user interface, and design.

Details of each validated project in appendix 1.

The 42 Advanced Part

The 42 Advanced offers a choice of path among various ICT specialisations: each student can select the topic(s) she/he wants to develop and improve. This part of the curriculum also contains several professional experiences (internships, part-time jobs, ...).
No projects completed yet

Professional experience: no professional experience yet

Details of the validated projects in appendix 2.

SPECIAL

A student can eventually benefit from special programs or projects valuable for their personal skill set, and thus included in their curriculum. They are mentioned here:

Name	Equivalent workload
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APPENDIX 1

Projects covered during the common core:

Name	Estimated workload	Result	Associated skills	Validation date
Libft	70H	Pass with bonus	Rigor, Algorithms & AI, Imperative programming	January 07, 2022
ft_printf	70H	Pass	Rigor, Algorithms & AI	January 21, 2022
get_next_line	70H	Pass with bonus	Rigor, Unix, Algorithms & AI	February 14, 2022
Born2beroot	40H	Pass with bonus	Rigor, Network & system administration	March 10, 2022
Exam Rank 02	0H	Pass		April 07, 2022
FdF	60H	Pass with bonus	Rigor, Algorithms & AI, Graphics, Imperative programming	June 21, 2022
push_swap	60H	Pass with bonus	Rigor, Unix, Algorithms & AI, Imperative programming	July 11, 2022
minitalk	50H	Pass with bonus	Rigor, Unix	August 10, 2022
Philosophers	70H	Pass	Rigor, Unix, Imperative programming	October 18, 2022
minishell	210H	Pass	Rigor, Unix, Imperative programming	February 13, 2023
Exam Rank 03	0H	Pass		March 09, 2023
NetPractice	50H	Pass	Rigor, Network & system administration	March 10, 2023
CPP Module 00	22H	Pass	Rigor, Imperative programming, Object-oriented programming	November 28, 2023
CPP Module 01	12H	Pass	Rigor, Imperative programming, Object-oriented programming	November 30, 2023
CPP Module 02	12H	Pass	Rigor, Imperative programming, Object-oriented programming	November 30, 2023
CPP Module 03	12H	Pass	Rigor, Imperative programming, Object-oriented programming	December 05,

				2023
CPP Module 04	12H	Pass	Rigor, Imperative programming, Object-oriented programming	December 05, 2023
Exam Rank 04	0H	Pass		December 12, 2023
cub3d	280H	Pass with bonus	Rigor, Algorithms & AI, Graphics, Imperative programming	January 18, 2024
CPP Module 05	25H	Pass	Rigor, Imperative programming, Object-oriented programming	April 18, 2024
Exam Rank 05	0H	Pass		April 25, 2024
CPP Module 06	25H	Pass	Rigor, Imperative programming, Object-oriented programming	June 12, 2024
CPP Module 07	25H	Pass	Rigor, Imperative programming, Object-oriented programming	June 13, 2024
CPP Module 08	25H	Pass	Rigor, Imperative programming, Object-oriented programming	June 17, 2024
CPP Module 09	40H	Pass	Rigor, Imperative programming, Object-oriented programming	June 19, 2024
Inception	210H	Pass	Rigor, Network & system administration	November 08, 2024
ft_irc	175H	Pass with bonus	Rigor, Unix, Network & system administration, Object-oriented programming	December 18, 2024
ft_transcendence	245H	Pass with bonus	Rigor, Web, Group & interpersonal	January 15, 2025
Exam Rank 06	0H	in progress		-

APPENDIX 2

Projects covered during the 42 advanced:

Name	Estimated workload	Result	Associated skills	Validation date
Rushes	80H	Failed	Algorithms & AI, Group & interpersonal, Adaptation & creativity	January 18, 2023

Internship and professional experiences				
Company name	**Duration**	**Validation**	**Skills**	**Validation date**
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APPENDIX 3

Description of each covered project:

Name	Description
Libft	This project is your very first project as a student at 42. You will need to recode a few functions of the C standard library as well as some other utility functions that you will use during your whole cursus.
ft_printf	This project is pretty straightforward, you have to recode printf. You will learn what is and how to implement variadic functions. Once you validate it, you will reuse this function in your future projects.
get_next_line	May it be a file, stdin, or even later a network connection, you will always need a way to read content line by line. It is time to start working on this function, which will be essential for your future projects.
Born2beroot	This project aims to introduce you to the wonderful world of virtualization.
Exam Rank 02	
FdF	All programs that you wrote until now were executed in text mode on your terminal. Now, let's discover something more exciting: how to open a graphics window and draw inside? To start your journey in graphic programming, FdF offers to represent "iron wire" meshing in 3D.
push_swap	This project involves sorting data on a stack, with a limited set of instructions, and the smallest number of moves. To make

	this happen, you will have to manipulate various sorting algorithms and choose the most appropriate solution(s) for optimized data sorting.
minitalk	The purpose of this project is to code a small data exchange program using UNIX signals. It is an introductory project for the bigger UNIX projects that will appear later on in the cursus.
Philosophers	This project aims to teach concurrent programming, focusing on multithreading and multiprocessing.
minishell	The objective of this project is for you to create a simple shell.
Exam Rank 03	
NetPractice	NetPractice is a general practical exercise to let you discover networking.
CPP Module 00	This first module of C++ is designed to help you understand the specifities of the language when compared to C. Time to dive into Object Oriented Programming!
CPP Module 01	This module is designed to help you understand the memory allocation, reference, pointers to members and the usage of the switch in CPP.
CPP Module 02	This module is designed to help you understand Ad-hoc polymorphism, overloads and orthodox canonical classes in CPP.
CPP Module 03	This module is designed to help you understand Inheritance in CPP.
CPP Module 04	This module is designed to help you understand Subtype polymorphism, abstract classes and interfaces in CPP.
Exam Rank 04	
cub3d	This project is inspired by the world-famous eponymous 90's game, which was the first FPS ever. It will enable you to explore ray-casting. Your goal will be to make a dynamic view inside a maze, in which you'll have to find your way.
CPP Module 05	This module is designed to help you understand Try/Catch and Exceptions in CPP.
Exam Rank 05	
CPP Module 06	This module is designed to help you understand the different casts in CPP.
CPP Module 07	This module is designed to help you understand Templates in CPP.
CPP Module 08	This module is designed to help you understand templated containers, iterators and algorithms in CPP.
CPP Module 09	This module is designed to help you understand the containers in CPP.
Inception	This project aims to broaden your knowledge of system administration by using Docker. You will virtualize several Docker images, creating them in your new personal virtual machine.
ft_irc	Create your own IRC server in C++, fully compatible with an official client.
ft_transcendence	This project is centered around the design, development, and organization of a full-stack web application.

Projet	**Coefficient**	**Note**
Libft	11 XP	125%
ft_printf	21 XP	100%
get_next_line	21 XP	125%
Born2beroot	13 XP	110%
Exam Rank 02	0 XP	100%
FdF	23 XP	115%
push_swap	44 XP	125%
minitalk	27 XP	125%
Philosophers	80 XP	100%
minishell	67 XP	99%
Exam Rank 03	0 XP	100%
NetPractice	75 XP	100%
CPP Module 00	0 XP	80%
CPP Module 01	0 XP	90%
CPP Module 02	0 XP	80%
CPP Module 03	0 XP	80%

CPP Module 04	230 XP	80%
Exam Rank 04	0 XP	100%
cub3d	137 XP	110%
CPP Module 05	0 XP	100%
Exam Rank 05	0 XP	100%
CPP Module 06	0 XP	100%
CPP Module 07	0 XP	100%
CPP Module 08	0 XP	100%
CPP Module 09	239 XP	100%
Inception	239 XP	100%
ft_irc	515 XP	115%
ft_transcendence	580 XP	110%

Partenariat	**Note**

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Accréditations	**Date**

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Stage	**Note**	**Durée en mois**

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