

# Dominique Garmier

## personal information

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**full name** Dominique Florian Garmier  
**place of birth** Muri AG, Schweiz  
**birthday** 5<sup>th</sup> of April 2001  
**nationality:** Swiss, French  
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## awards

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**SJF 2020** (Schweizer Jugend forscht) national award for Matura Thesis  
grade: very good  
**Rotary-Award 2020** award for best Matura Thesis at Kantonsschule Wohlen  
**Pro Argovia 2020** award for being among the five best Matura Theses in the canton of Aargau

## education

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**since Sep. 2021** enrolled in mathematics BSc at ETH Zurich (also taking computer science and physics courses)  
**Jul. 2020** Swiss Matura Kantonsschule Wohlen AG  
emphasis subject: physics and applied mathematics, grade: 6.0 / 6.0  
complementary subject: computer science, grade: 6.0 / 6.0  
Matura Thesis: AnIdea: Artificial neural Intelligence for differential equation approximation, grade: 6.0 / 6.0 (see [github.com/DominiqueGarmier/anidea](https://github.com/DominiqueGarmier/anidea))  
total saldpoinsts: 16.5 (with a grade average of 5.3 / 6.0)

## programming experience

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**python** **6 years** of experience. Experience using **tensorflow** (see award winning Matura thesis). About 1 year of experience engineering **python backends**. Currently working on a **graphql microservices** backend using a **dgraph** as a database.  
**docker** about **1 year** of experience using docker / compose to orchestrate development environments for **distributed backends**  
**typescript** **1 year** experience using frontend frameworks such as **React & Vue**  
**machine learning** as mentioned above I immersed myself in the field of machine learning during my one-year award winning Matura thesis, where I invented a **novel algorithm for numerically approximating solutions to non-linear ODE's**, outperforming known algorithms in certain contexts.  
**git / github** using git for **3 years** for my programming projects. I also have some experience using github-actions. (See: [github.com/DominiqueGarmier](https://github.com/DominiqueGarmier))

## languages

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<b>German</b>	native language
<b>French</b>	native language
<b>English</b>	fluent, Matura-Level (B2-C1), grade 5.5 / 6.0

## interests and hobbies

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mathematics, physics, computer science

sports: track & field (javelin throwing), mountain biking, road biking, skiing, weightlifting