

# ir. THEO DE GEEST

Computer Science Engineer

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## PROFILE

- Burgerlijk ingenieur
- 4 years of work experience
- To the point mentality
- Transparent communication
- Organizational discipline
- Driving license B

## LANGUAGES

Dutch\* ●●●●●  
French\* ●●●●●  
English ●●●●●

\* Native language

## PROGRAMMING LANGUAGES

C/C++ Java Scala Elixir  
Python Racket, Scheme  
x86 Assembler JavaScript  
TypeScript HTML/CSS SQL  
CUDA Bash

## IT SKILLS

Linux Windows Googling  
Excel Blender LaTeX  
Visual Studio (Code) Vim  
Git/GitHub eBPF

## LEISURE ACTIVITIES

- Reading
- Hiking
- Ice skating
- Bouldering
- Traveling

## EXPERIENCE

Tutoring Students 2020 - 2024

Brussels

- Provide individualized tutoring sessions for secondary and higher education students, tailoring lessons to meet each student's academic needs.
- Help students improve understanding and mastery of complex subjects, leading to better academic performance and higher grades.

## EDUCATION

Master of Science in Applied Sciences  
and Engineering: Computer Science  
Software Languages and Software  
Engineering Sept 2024 – June 2026

Vrije Universiteit Brussel

With Greatest Distinction (summa cum laude)  
Master's Thesis: Attributing Scalability Bottlenecks in Multi-Threaded  
Applications via eBPF-Based Speedup Stack Analysis  
• Performance analysis of multithreaded applications  
• eBPF based performance analysis  
• Experience identifying and eliminating scalability bottlenecks

Applied Sciences and Engineering:  
Computer Science (Bachelor) Sept 2021 – June 2024

Vrije Universiteit Brussel

With Great Distinction (magna cum laude)

Secondary Education Math-Sciences Sept 2015 – June 2021

Koninklijk Atheneum Etterbeek

## AWARDS

RoboCup Junior Belgium 2018

Junior Division Contest Winner

## PROJECTS

Actor Library 2025

Skills: C, Multithreading, Scheduling

GPU-accelerated Conway's Game of Life 2023

Skills: C, CUDA

Raycaster in Assembler 2023

Skills: Assembler