

# GABRIEL NILSSON

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## EDUCATION

### University of Cambridge

*MPhil in Scientific Computing - High Performance Computing*

Cambridge, United Kingdom

2025-2026

- Saven Cambridge Scholarship recipient - 30,000 GBP

### Minerva University

San Francisco, Seoul, Taipei, Hyderabad, Buenos Aires, London, and Berlin

*Bachelor of Science in Computational Sciences (Mathematical and Computational Modeling)*

2021-2025

- GPA: 3.93 / 4.00. Major GPA: 3.97 / 4.00
- World's most innovative University [2022](#), [2023](#), [2024](#), & [2025](#) (WURI),
- Highly selective and the [world's best performance on the CLA+](#)
- Global program across 7 countries with a highly international cohort

### Swedish Naval Academy

Karlskrona, Sweden

*System Technician Onboard Submarines*

2020-2021

- 10 were selected among ~5 000
- Soft skills: Military discipline, leadership, working in teams, and managing classified information
- Hard skills: Network protocols and security, radar, sonar, GPS, advanced electronics

## EXPERIENCE

### Minerva University

Global Rotation

*Lead Peer Tutor, Teaching Assistant, and Curriculum Intern*

Aug 2021 – Present

- Teaching Assistant for Differential Equations, Probability & Statistics, and Calculus
- Capstone project on "[Spatial discretization and its impact on physical simulations](#)"
- Designed the University's AI literacy class and developed grading dashboard for faculty
- Tutored Python programming and math to 100+ students after placing first in freshman coding assessment
  - Graded 400+ assignments, provided in-depth feedback, and designed the programming curriculum

### Cofounder - Paisa

Dubai, UAE

*Cofounder and CTO*

May 2022 – Aug 2022

- Created a novel decentralized solution to make salary advances ~90% cheaper than alternatives
- Won "Best Pitch" at Metacon in Dubai World Trade Centre (2022)

### Game Development Projects

Borås, Sweden

*Lead programmer (3 years)*

Aug 2017 – May 2020

- Was Programming Lead and Scrum Master for 3 different year-long projects of 8+ people
- Qualified for a national competition and won prizes each year, with 60+ teams participating each year
- Led project groups, managed large code bases, improved code refactoring and readability

## ACCOMPLISHMENTS

- "Best Beginner Hack" at CalHacks, the **world's largest collegiate hackathon**, 370+ participants (2021)
- **40th best coder in Sweden**, Swedish programming olympiad at high school level, 250+ participants (2019)
- "**Best Game**" in Swedish game development competition, high-school level, 60+ teams (2020)
- Planted **>40,000 trees** in northern Canada. Read [here](#) about "one of Canada's toughest jobs" (2023)

## SKILLS AND CERTIFICATIONS

- **Skills:** Advanced: Statistical Analysis, Tutoring, and Mathematics. Intermediate: ML
- **Languages/Software:** Advanced: Python (numpy, scipy, pytorch, pandas) [10 years]; C#, Unity, Git [8 years]; Linux [3 years]; C++ [2 years]