GABRIEL NILSSON

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EDUCATION

University of Cambridge   **Cambridge, United Kingdom**

MPhil in Scientific Computing - High Performance Computing   *2025-2026*

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
- Skills: Military discipline, leadership, broad technical education, and managing classified information

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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

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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]