

Selma Holmen Berg

NTNU, MSc Student in Applied Physics and Mathematics

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Languages: Norwegian (native), English (fluent), German (conversational)



Education

2024–Today	NTNU, MSc in Applied Physics and Mathematics Norwegian University of Science and Technology (NTNU) Third-year student, specializing in Industrial Mathematics. Additional Coursework • Coursework in Agentic AI and Machine Learning Theory through WomenInAI-programme
2021–2024	Ås VGS, General Studies, specializing in Natural Sciences • Top 1% of my graduating class • Selected to represent and promote advanced Mathematics (R2) and Physics (Physics 2)

Experience

Sep 2026–Today	WomenInAI, Machine Learning Engineer • Team-based machine learning project with Cognite AS, applying graph embeddings, outlier detection and link prediction to improve data quality in industrial knowledge graphs.
March 2026–Today	Sbuddy.AI, AI Learning Platform Developer • Product functionality, UX and development of new services for AI-assisted learning and study techniques
March 2026–Today	Sbuddy.AI, Head of NTNU Ambassador Team • Lead and coordinated the NTNU ambassador team. • Organized and executed events that significantly increased the platform's user base and customer acquisition
Summer 2025, 2026	Tronrud Engineering Moss, Manufacturing Technician • Technical assembly and manufacturing of products for big players, e.g., Kongsberg Gruppen, ABB, and Microsoft
March-August 2024	Cafe Oliven, Waiter
2020–2024	Son Spa, Waiter

Volunteer Experience

Fall 2025–Fall 2026	Nabla Casinus (Poker Club), Leader • Organized and managed weekly poker nights, increasing attendance from 6 to over 50 students
2025–2026	Nabla Kjellerstyret (Student Bar), Head of Social Media
2023–2024	Ås VGS, Teaching Assistant • Weekly teaching assistant in an open tutoring program for high school mathematics: 1T, R1, and R2.

Technical Skills

Programming & Data: Python, C++, R, Git; numerical modelling, data analysis and machine learning. Completed introductory courses in React.

Presentation & Design: Advanced PowerPoint and Photoshop skills, with a long-standing personal interest in presentation design.

AI: Extensive experience with agentic AI tools, including Codex, Claude Code, and GitHub Copilot for programming. Proficient with LLMs such as ChatGPT, Claude, Gemini, and Copilot, including targeted prompting and deep-research.

Fun fact

Simple Food for Simple People: Wrote, designed and published a complete cookbook as a gift for my parents, inspired by my love of cooking and interest in making complicated things simpler and more efficient. The goal was to lower the barrier to cooking healthy, good food through simple recipes, quality ingredients and clear, practical instructions for somewhat chaotic and impatient people. Created using Photoshop, PowerPoint and GPT.