



# Alina Danila

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## ABOUT ME

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When it comes to my professional life, I find that my love for climbing is reflected in my work. Whether I'm working together with a climbing partner to overcome a challenging route or pushing myself to tackle difficult bouldering routes on my own, my passion for overcoming obstacles is always on display.

## EDUCATION

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### University of Bern

**Bern, Switzerland**

*Sept 2024 – present*

- *Master's Degree in Computer Science*
  - With a focus on: Software Engineering, Data Science

### Technical University Gheorghe Asachi

**Iasi, Romania**

*2019 – 2023*

- *Bachelor's Degree in Automatic Control and Applied Informatics*
  - Bachelor's thesis focus: Optimizing routes for mobile robots in the Traveling Salesman Problem (TSP)
  - TSP variant explored: Transforming initial workspace into a graph, reducing nodes for efficiency
  - Objective: Evaluate execution time of methods to identify the most efficient for finding minimum-cost routes for mobile robots.

### Eindhoven University of Technology

**Eindhoven, the Netherlands**

*Feb 2022 – July 2022*

- *Erasmus Exchange semester*
  - Courses include: Machine Learning, Systems, Electromagnetics

## PROFESSIONAL EXPERIENCE

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### Silicon Service

**Iasi, Romania**

*Feb 2024 – May 2024*

- *IC Test Engineer*
  - Specialization: Define and develop testing concepts for integrated circuits
  - Create test programs in C++ for mass production testing
  - Modify automated characterization plans, design test boards, and develop testing software
  - Analyze data and adapt solutions to meet specified requirements, optimizing response times.
  - Completed Teradyne training

### Savnet Training Center

**Remote**

*June 2021 – Sept 2021*

- *Summer Practice*
  - Summer program focus: Networking concepts and Linux Essentials
  - Engaged in online team projects using Packet Tracer
  - Enhanced configuration, troubleshooting, and security skills
  - Effective collaboration with teammates.

## WEB PROJECTS

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- [Portfolio](#):  
**Technology Stack:** HTML, CSS, SCSS, JavaScript
- [Weather Website](#):
  - Developed dynamic weather website using React (UI inspired by Mayank Chaudhary on Figma)
  - Real-time weather data fetched from Open Weather API
  - User-friendly interface for accessing current weather conditions, hourly, and daily forecasts**Technology Stack:** React, Luxon, Tailwind CSS, API Integration

- **Tufting Shop Project:**
  - Initial web development venture in the final semester of university studies
  - Thorough exploration of web technologies: Progression from HTML, CSS, and JavaScript to PHP
  - Primary goal: experiment with and acquire of fundamental skills in web development.

## SKILLS AND INTERESTS

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- **Languages:** Romanian (*native*), English (*advanced*), French (*beginner*), Italian (*beginner*)
- **Computer:** MATLAB, C++, C, Java, Linux, Python, SQL, Git, Github
- **Web technologies:** HTML, CSS, SCSS, JavaScript, React, Tailwind CSS, Figma

## ADDITIONAL INFORMATION

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- **Certificates & Achievements:**
  - **Web Development Fundamentals** – IBM SkillBuild
  - **NDG Linux Essentials Certificate** – Savnet Training Center
- **Volunteer Experience:**
  - **Belayor for special needs children** – Climb Again Iasi
  - **Multimedia, Fundraising Department** – League of Students