



Alina Danila

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ABOUT ME

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

University of Bern

Bern, Switzerland

Master's Program in Computer Science

Expected start: September 2024

- Courses of interest: Software Engineering, Security, Applied Optimization, Visual Computing

Technical University Gheorghe Asachi

Iasi, Romania

Bachelor's Degree in Automatic Control and Computer Science

2019 – 2023

- Thesis title: Robotic Planning Based on Traveling Salesman Problems (9.75/10)
- TSP variant explored: Transforming initial workspace into a graph, reducing nodes for efficiency
- Objective: Evaluate the execution time of different methods to identify the most time-efficient in finding minimum-cost routes for mobile robots.

Eindhoven University of Technology

Eindhoven, the Netherlands

Erasmus Exchange semester

Feb 2022 – July 2022

- Courses include: Machine Learning, Systems, Electromagnetics

PROFESSIONAL EXPERIENCE

Silicon Service

Iasi, Romania

● IC Test Engineer

February 2024 – May 2024

- 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

● Summer Practice

June 2021 – September 2021

- Summer program focus: Networking concepts and Linux Essentials
- Engaged in online team projects using Packet Tracer
- Enhanced configuration, troubleshooting, and security skills

WEB PROJECTS

● [Portfolio](#):

Technology Stack: HTML, SCSS, JavaScript

● [Weather Website](#):

- Developed dynamic weather website using React (UI inspiration from 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 my university studies
 - Thorough exploration of web technologies: Progression from HTML, CSS, and JavaScript to PHP
 - Primary goal: experiment with and acquire fundamental skills in web development.

SKILLS AND INTERESTS

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

ADDITIONAL INFORMATION

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