Alina Danila

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EDUCATION

Technical University Gheorghe Asachi   **Iasi, Romania**
- *Bachelor's Degree in Automatic Control and Applied Informatics*   *2019 –2023*
  - 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**
- *Erasmus Exchange semester*   *Feb 2022 – July 2022*
  - Courses include: Machine Learning, Systems, Electromagnetics

PROFESSIONAL EXPERIENCE

Silicon Service
- *IC Test Engineer*   *December 2023 – Present*
  - Specialization: Define and develop testing concepts for integrated circuits
  - Create test programs and hardware for mass production testing
  - Modify automated characterization plans, design test boards, and develop testing software
  - Analyze characterization data and adapt solutions to meet specified requirements, optimizing response times.

Savnet Training Center
- *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
  - Effective collaboration with teammates.

PROJECTS

- **[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: Modular and efficient user interface
    - Luxon: Date and time library for handling time-related operations
    - Tailwind CSS: Utility-first styling approach for clean and maintainable code
    - API Integration: OpenWeatherMap API for fetching real-time weather data.

- **[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

- **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

- **Certificates & Achievements:**
  - **Web Development Fundamentals –** IBM SkillBuild
  - **NDG Linux Essentials Certificate –** Savnet Training Center

- **Volunteer Experience:**
  - **Multimedia, Fundraising Department –** League of students