

# Armand-Alexandru Balint

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## Education

### Aalto University

MSc in Computer Science

- Specialization: Cybersecurity

*Espoo, Finland*

*August 2024 - July 2026*

### West University of Timisoara

BSc in Computer Science

- GPA: 96% - Comprehensive Evaluation 100% - Ranked #1 student [2021-2022]
- 5 Performance-based scholarships & 1 year long Erasmus grant
- Thesis: Exploring and assessing the efficacy of Static Code Analysis

*Timisoara, Romania*

*September 2020 - July 2023*

### Turku University of Applied Sciences

Exchange Student

- Won 2 awards for Capstone and Showroom projects
- Lead 11 large-scale projects

*Turku, Finland*

*August 2022 - May 2023*

## Work Experience

### System Programmer

Zo-Lar Prest

- Wrote various Python and Bash scripts and worked on developing a tool to speed up various daily tasks and maintenance processes
- Performed bi-weekly system checks and increased system efficiency by >200% through several system modifications and routine adjustments
- Implemented various security protocols and patches

*Lugoj, RO*

*Jan-May 2022 & Mar 2023 - Present*

### Teaching Assistant

West University of Timisoara & Aalto University

- Courses: Network Security, Programming III, Algorithms and Data Structures II.
- Assisted with administrative tasks, provided tailored laboratories, monitored and graded big groups of students
- Taught various concepts of computer science, such as Self-Adjusting Linked Lists, Polymorphism, Hashing, Trees, and NP-hard problems

*Espoo & Timisoara*

*Oct 2023 - May 2024 & Oct 2024 - Present*

### Information Analyst

Zo-Lar Prest

- Performed several data audits to ensure accuracy and successfully automated three key reporting processes, enhancing efficiency and reliability
- Improved quality of data by 120% through careful analysis, deletion of anomalies and refinement of prior entries

*Lugoj, RO*

*Aug 2020 - Nov 2021*

### Freelance

LinkedIn

- Taking commissions for projects and offering mentoring in Cybersecurity, Programming, Software Design, and UNIX.
- Providing academic guidance for prospective graduate students alongside with granting ghostwriting services.

*Remote*

*Jul 2020 - Present*

## Projects

### SISU - Finnish Immigration Assistant

C#, PHP, SQL, Stable Diffusion, Unity

- Led a team in the development of a fully networked card game that also include AI-based singleplayer, guilds and friend lists. Designed to offer immigration-related information while providing a leisure activity for all backgrounds.
- Collaborated with managers to define key features and functionality aligning collective vision for conceptualizing a largely funded project.

### CuDoCu

React, Django, RestAPI, PostgreSQL, Azure

- Developed a full-stack Contract Manager website for a startup, allowing for quick edits and real-time statistics of files.
- Implemented strong security measures during the development to ensure the confidentiality and integrity of data.

### Galaxy Simulation

C#, HLSL, ShaderLab, Unity

- Created a GPU-accelerated Galaxy Simulator, utilizing highly optimized code to simulate a realistic cosmic phenomena
- Allowed real-time customization via parameters in order to enhance user control and interaction

## Skills

**Programming** Python, C, C++, C#, HTML/CSS, Java, Prolog, Haskell, SQL, LaTeX, JavaScript, R, React

**Miscellaneous** Malware Analysis, Cybersecurity, Linux, Windows, Pentesting, APIs, Unity, Secure Code, Optimizations, Github, Git, XR, Android

**Soft Skills** Leadership, Logical Approach, Teamwork, Problem-Solving, Critical Thinking, Adaptability, Mentoring, Observation