ANDREJ RAJKOV

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EDUCATION

Faculty of Sciences, University of Novi Sad, Serbia
Information Technology, Bachelor of Science

> **Key Courses:** OOP (Java), Data Structures and Algorithms (Java), Databases (SQL), Systems Programming (C), Web Design (HTML, CSS, and JavaScript), Information Software Development Process (Scrum), Video Game Design (Unity), Information Systems Modeling.

University of Turku, Turku, Finland
Study Exchange, August – December 2024

> **Courses: System and Application Security**, Software Design and Architecture, Statistical Data Analysis (Jupyter Lab), Perception and Navigation in Mobile Robotics, Usability User Experience and Analytics

Prijepoljska Gimnazija, Prijepolje, Serbia
IT class of Grammar Highschool

> **Key Subjects:** Object-Oriented Programming (C#), Dynamic Programming (C++), Databases, Assembly Programming, Computer Architecture, Participated in regional programming competitions ("Petlja").

FLEX (Future Leaders Exchange) Highschool Exchange Program
South Wichita High School, Kansas, USA
August 2021 - May 2022

SEMINARS AND LEADERSHIP EXPERIENCE

IPICS 2025 Cybersecurity Summer School, Novi Sad, Serbia, July 2025
- Gained hands-on knowledge in key cybersecurity skills: DFIR, threat modeling, cryptography, penetration testing, social engineering, and malware analysis.
- Applied acquired knowledge in a final CTF hackathon.

NTU Chip-based Program 2025, National Taiwan University, March 2025
- Acquired specialized knowledge in microprocessor design and manufacturing, focusing on application in AI and Robotics.
- Collaborated with renowned professors, visiting leading companies (TSMC, Mediatek, Delta), and had practical experience working with silicon wafers in a cleanroom lab.
- Secured travel sponsorship: Initiated and negotiated funding with local tech company, securing partial airfare coverage (total value 2000€) for a team of three students.

Children's Innovation Center (DIC), October 2023 - June 2024
- Taught robotics classes to children aged 6-13, lead workshops focused on design and programming LEGO Mindstorms robots.
- Trained and led a young student team to the WRO (World Robot Olympiad) competition in Subotica, Serbia.

Petnica Science Center, July 2020 and March 2021
- Attained theoretical knowledge in computer architecture, computer graphics, digital electronics, and cryptography across two seminars.
- Developed team software (Weather API for Discord bot) and recreated low-level programming concepts (game Pong in Assembly).

Elektrobot Team, October 2018 - March 2020
- Represented team across two competitive seasons at FIRST LEGO LEAGUE competitions (Belgrade, Serbia and Koper, Slovenia).
- Optimized and tested robot design and programming, contributing to the team's success in competitive missions.