

ÁDÁM CSIDÉR

Computer Science Student | Aspiring Junior Software Developer

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PROFILE SUMMARY

Motivated Computer Science student with hands-on experience in software development, object-oriented programming, and applied cryptography through independent projects. Comfortable working across the stack (backend APIs, desktop GUI applications, and web front-ends), writing unit/integration tests, and using version control in a team setting. Seeking a junior software developer role to apply strong problem-solving skills and continue growing technically.

TECHNICAL SKILLS

- Languages:** Python, C# (OOP), SQL, C, Java, Haskell
- Frameworks & Libraries:** .NET, WPF, Avalonia, WinForms, SageMath, pycryptodome
- Web:** HTML5, CSS3, Bootstrap, responsive/mobile-first design
- Tools & Platforms:** Git, GitHub, Docker, SQLite, Linux (Ubuntu Server, Kali Linux)
- Testing & Practices:** Unit testing, integration testing, MSTest, pytest, clean architecture, version control
- Other Interests:** Cryptography, cybersecurity, algorithms and data structures

WORK EXPERIENCE

Trainer — Logiscool

2021 – 2022

- Simplifying complex concepts:** Taught algorithms and recursion to elementary school students, developing strong technical presentation and communication skills.
- Group management:** Instructed multiple groups concurrently, balancing individual learning paces while fostering teamwork.
- Curriculum development:** Designed individualized lesson plans to maintain student engagement and motivation.

PROJECTS

Bomber Game — C#, .NET, WPF, Avalonia, WinForms, MSTest

- Architecture & testing:** Built event-driven game logic with a modular object-oriented architecture; covered with unit tests using MSTest.
- GUI:** Implemented a multi-framework graphical interface across WPF, Avalonia, and WinForms.

Personal Portfolio Website — HTML5, CSS3, Bootstrap

- Design & standards:** Built a mobile-first, responsive layout strictly adhering to modern HTML5/CSS standards.
- Features:** Clean, static personal site showcasing projects, skills, and background.

AES-FFX Format-Preserving Encryption — Python

- Standards & algorithms:** Implemented a NIST-compliant format-preserving encryption scheme supporting A2 and A10 parameter collections.
- Use case:** Tailored for encrypting credit card data while preserving format.

Parking Lot Reservation API — Python, FastAPI, SQLite, SQLAlchemy, Pydantic

- DevOps & tools:** Containerized with Docker; used Git for version control and pytest for testing.
- Features & docs:** Clean architecture with unit/integration tests and detailed documentation, including AI-assisted prompt history.

EDUCATION

Bachelor of Computer Science — Eötvös Loránd University

2024 – 2027 (expected)

LANGUAGES

- Hungarian — Fluent (native)
- English — Intermediate
- German — Intermediate (passive)

ADDITIONAL INFORMATION

- Systems:** Basic experience with Linux-based systems (Ubuntu Server, Kali Linux).
- Interests:** Coding, chess, music, sports (road cycling).