



Máté Pál Vajda

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ABOUT ME

I am Máté Pál, I **graduated** from the University of Debrecen with a BSc in **Computer Science** in 2024, during my 6 semesters I've achieved a cumulative GPA of **4.85**. Currently I'm doing my Msc in Computer Science.

I have a lot of experience in working in a team, I was a member of my high school student council for **3 years**, in 2023 I was elected to be a **student council representative** of the faculty of Informatics at the University of Debrecen.

For the last 2 years I've been a **student lecturer**, first in **Fundamentals of Logic**, then **Fundamentals of Computer Security**.

I am interested in the whole of IT industry, but I am particularly interested in **Cybersecurity** and **Blockchain technology**. I wrote my **thesis** on Blockchain Technology about how blockchain technology can help prevent wine counterfeiting.

EDUCATION AND TRAINING

Hungarian High School Diploma

Neumann János Gimnázium, Kollégium és Technikum [01/09/2016 – 15/06/2021]

Address: Rákóczi Út 48., 3300 Eger (Hungary)

Computer Science BSc

University Of Debrecen [01/09/2021 – 30/05/2024]

Address: Kassai út 26, 4028 Debrecen (Hungary)

Computer Science Msc

University Of Debrecen [01/09/2024 – Current]

City: Debrecen | Country: Hungary

LANGUAGE SKILLS

Mother tongue(s): Hungarian

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

WORK EXPERIENCE

Intern

HM Elektronikai, Logisztikai és Vagyongkezelő Zrt. [01/01/2024 – 30/04/2024]

IT Technician

University of Debrecen, Faculty of Informatics [15/02/2024 – Current]

City: Debrecen | Country: Hungary

Digitalization of small and medium-sized enterprises, from a cybersecurity and blockchain technology perspective

PROJECTS

[01/04/2023 – 01/06/2023]

Othello game in Java

Currently working on a simple Othello game with a Graphical Interface for my "Software Engineering" university subject.

Besides the Business Logic of the game, and the GUI created in JavaFX, it will make use of:

1. MVC Architecture
2. Unit testing - JUnit
3. Automatized API Documentation with JavaDoc
4. Logging

[01/07/2023 – Current]

Thesis about the practical use of Blockchain technology:

In my thesis I wrote about the practical application of **blockchain technology** in distribution chain of premium wines. The main idea is to **prevent wine counterfitting** using **smart contracts** on the blockchain.

We document the process of the manufacture of said wines, from harvesting to labelling and sale. This information is then

stored on the blockchain, so that all information is **traceable** and **transparent**, thus cannot be falsified, since the information on the blockchain is **immutable**.

I also investigated the use of **Zero-Knowledge Proofs** and the **Solana** chain in my thesis, using the blockchain as a tool.

to solve the problem **scaling problem** of the blockchain.

Link: https://github.com/VajdaMate/blockchain_wine_supply_chain

ORGANISATIONAL SKILLS

Hostel Council President

I was a dormitory student for **5 years**, and was a member of the dormitory student council the whole time. In my **4th** year, I was elected **president** of the dormitory student council.

Student Council Representative at the Faculty of Informatics

In **2023** I became a student council representative of the Faculty of Informatics at the University of Debrecen, which organises programs throughout the year, as well as the organization of the freshman camp.