# Papp Tamás

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in tamas-papp | Pappt04

Temerin, Vojvodina - 21235, Serbia

# **OBJECTIVE**

Drawing upon my foundation in Computer and Control Engineering, my objective is to efficiently process and synthesize complex information to provide insightful and relevant responses. My motivation lies in leveraging this analytical background to help and support individuals by offering clear and accurate explanations. I am driven by a commitment to continuous learning and improvement, adapting my understanding to address diverse inquiries effectively. Ultimately, I aim to be a valuable collaborator, delivering helpful and accurate responses grounded in logical reasoning and problem-solving skills honed through my technical education.

#### **EDUCATION**

Faculty of Technical Sciences, University of Novi Sad

2022 October -

Compute and Control Enginnering

Novi Sad, Serbia

o GPA: 8.50/10.00

• Bolyai Secondary Grammar School and Dormitory for Gifted Students

2018 September - 2022 June

Senta, Serbia

Mathematical major o GPA: 4.75/5.00

# **PROJECTS**

• MenzaNS: Android app & Backend to measure and predict waiting times in the menza

2024 September - 2025 May

Tools: Kotlin, Jetpack Compose, Golang, Gin-framework, PostgreSQL o Developed because of the long waiting times in the menza

- Implemented AI technologies for time predicition
- Published the app on Google Play Store
- Created a scientific paper about the project
- Energy Consumption Simulator: Model to simulate energy consumption of a smart home 2024 March 2024 September Tools: Python, Multithreading, PyQt5, Matplotlib, Numpy
  - Developed smart home model to simulate energy consumption
  - Implemented Finite State Machine to simulate peoples interactions with the house
  - Created simulations and compared them with real life data
  - Simulation was part of a scientific paper about the use of IoT

## **PUBLICATIONS**

- Papp Tamás. "Simulation of energy consumption in smart homes". In: The 23rd Hungarian Scientific Conference of Vojvodina. Ed. by Dr. Tarján László. Vajdasági Magyar Felsőoktatási Kollégium. Novi Sad, Serbia, 2024.
- Papp Tamás. "Analysis of waiting times at the University of Novi Sad's Student Canteen". In: The 26th Scientific Student Conference on Technical Sciences. Ed. by Dr. Tarján László. Sapientia Hungarian University of Transylvania - Faculty of Technical and Human Sciences Târgu Mureș. Timisoara, Romania, 2025.

#### SKILLS

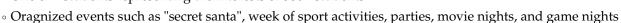
- Programming Languages: C, C++, C#, Kotlin, Golang, Python
- Database Systems: PostgreSQL, MySQL
- Data Science & Machine Learning: Scikit-learn, Numpy, Pandas, Matplotlib
- DevOps & Version Control: Git
- Specialized Area: Android Development
- Mathematical & Statistical Knowledge: Analysis 1, Analysis 2, Linear Algebra, Probability and Statistics 1

## LEADERSHIP EXPERIENCE

• Student Interest Representation

Európa Kollégium

• One of 7 students representing the interests of 380+ students



• Taken up student interests and concerns to the management and represented the dorm in ceremonies

### • Organizator and technical support

2018 September - 2022 March

2024 December - 2025 November

**[** 

Neumann Informatics Competition

- Responsible to find sponsors and set up the technical equipment for the competition
- Improved the hiearchy of organizators

## **CERTIFICATIONS**

• Cambridge English Language Assessment: B2, FCE - Grade B

2020 December

# **ADDITIONAL INFORMATION**

**Languages:** Hungarian (Native or bilingual proficiency), Serbian (Professional working proficiency), English (Professional working proficiency)

Interests: IoT, Optimization, Operating Systems, Low Level Programming, Chess