



Mateusz Jerzy Kwiatkowski

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EDUCATION AND TRAINING

02/09/2019 – 28/04/2023 Gdynia, Poland

MATURITY CERTIFICATE, CERTIFICATE OF COMPLETION OF THE GENERAL LYCEUM Adam Mickiewicz Bilingual High School No. 2



01/09/2023 – CURRENT Amsterdam, Netherlands

BACHELOR OF SCIENCE IN COMPUTER SCIENCE Vrije Universiteit Amsterdam

- Current GPA: 9.2 out of 10.
- Prospective graduation date: August 2026.
- Ranked top 1% among over 350 students in Computer Organization, Computer Networks and Operating Systems courses.
- Ranked top 5.3% among all students in B.Sc. degrees in Faculty of Science, in academic year 2024/2025.
- Ranked top 6.2% among all students in B.Sc. degrees in Faculty of Science, in academic year 2023/2024.
- Member of STORM, A.S.A.V. Aquila and SIB student associations.
- Honors student, admitted to the extracurricular honors program for talented and exceptional students.

Address De Boelelaan 1105, 1081HV, Amsterdam, Netherlands

WORK EXPERIENCE

 **VRIJE UNIVERSITEIT AMSTERDAM** – AMSTERDAM, NETHERLANDS

COURSE ARCHITECT – 01/05/2024 – 30/06/2025

- Coordinated the gamified [Computer Organization](#) (245 students in total) and [Computer Networks](#) (277 students in total) courses, with feedback surveys reporting over 68% of active students find both courses challenging and interesting.
- Presented 2 interactive lectures about the I/O subsystem and MAC address layer to over 100 active students.
- Designed two midterm and two final exams, achieving course passing rates of 65% and 64% respectively.
- Reduced plagiarism checking time by over 60% by helping develop an AI detection tool integrating the Canvas and GPTZero APIs. The tool is capable of automatically flagging AI-generated quiz answers.

 **VRIJE UNIVERSITEIT AMSTERDAM** – AMSTERDAM, NETHERLANDS

TEACHING ASSISTANT – 01/05/2024 – CURRENT

- Teaching Assistant for 9 undergraduate courses, including the 2 above and Computer Programming, Software Engineering Processes, Computational Thinking for AI, Operating Systems, Software Design, Requirements Engineering and Databases.
- Conducting weekly lab classes for over 30 students, providing constructive feedback on homework and project assignments.
- Encouraging new students to take interest in emerging research topics in Computer Science.

RESEARCH EXPERIENCE

01/06/2024 – CURRENT

@Large-Research: Massivizing Computer Systems member

- Engaging in the [@Large-Research Group](#)'s activities and training sessions. @Large-Research is the leading Computer Systems research team in the Netherlands, with focus on cloud computing, datacenter technology and ICT digital twins.
- Attending research events, such as Ph.D. defenses of team members and the weekly group meetings to discuss ongoing projects and current scientific advancements in the field.
- Providing feedback on team members' presentations for Bachelor's and Master's theses and conferences e.g., CCGrid, OOPSLA, IPDPS, SOSP.

01/06/2024 – CURRENT

Honors Research Project

- Exploring use-cases and benefits of a datacenter digital twin for potential stakeholders.
- Designing a reference architecture for a datacenter digital twin that uses predictive analysis and simulation.
- Conducting experiments using [OpenDC](#), a state of the art discrete-event, datacenter simulator.
- Designed and presented a conference-style poster at the Honors Program poster fair.
- Presented research problem statement during the HP Research Community and Practice course.
- 1st supervisor: Prof. Dr. Ir. Alexandru Iosup, daily supervisor: Ph.D. Dante Niewenhuis.