

Alex Zamolotskikh

Student

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PROFESSIONAL EXPERIENCE

Software Developer Intern

JetBrains

May 2025 – Aug 2025

Berlin, Germany

- Designed and deployed LLM pipeline to convert structured word documents into publish-ready web pages
- Built a RAG system by indexing large internal technical documentation with embeddings and metadata search
- Developed API and infrastructure for cron-like scheduling of agentic tasks backed by PostgreSQL

Software Engineering Intern

Health Beacon

Oct 2024 – Mar 2025

Dublin, Ireland

- Developed AWS-based processing of IOT device packets.
- Worked on core React Web App refactor.

ML Intern @ ICTL Research Lab

JetBrains

Jun 2023 – Jun 2024

Remote

- Created a neural network that predicts emoji reactions to chat messages based on the sentiment of messages.
- Ran a study of people's use of reactions in messages and their tendencies to use them depending on other people's reactions.
- Compiled this model and study into a research paper.
- Worked on a RAG approach for finding relevant people in a corporate structure for a certain problem.

Full Stack Developer Intern

Ambisense

Jun 2022 – Sep 2022

Dublin, Ireland

- Automated analytics on client data.
- Managed the backend development of a service.
- Created artificial data for script testing.

EDUCATION

Bachelors in Computer Science

Trinity College Dublin

2022 – May 2026

Dublin, Ireland

LANGUAGES

English — Native/Bilingual

Russian — Native/Bilingual

German — Conversational

EXTRA-CURRICULAR

Committee Member

The Internet Society

Jan 2023 – Jan 2025

- Oversaw management of society servers
- Helped with society events and operations

Rower

DUBC

Dublin

I row at Dublin University Boat Club and use it to balance to mental load of my work.