






# ALEKSANDR SHELUKHEEV

## Software Engineer



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Aspiring Software Engineer with a solid foundation in **full-stack development** and **machine learning** through academic research and personal projects. **Passionate** about solving real-world problems and constantly improving through hands-on practice.

## EXPERIENCE

### AI/ML Researcher

IMBT SB RAS



 Nov 2024 – Mar 2025  Russia

- **Developed** a model for machine translation based on transformer architecture for translation from old Mongolian to Russian.
- **Trained and fine-tuned** the model, experimented with hyperparameter tuning and attention mechanisms.
- Worked with a low-resource dataset requiring custom **data augmentation** and regularization strategies to prevent overfitting.
- **Evaluated and integrated** pre-trained models (mBART50, mT5) to compare against custom architectures.
- Tech stack: Python, PyTorch, Transformers, NLP

## EDUCATION

### Diploma in Software Engineering

Centennial College

 Sep 2020 - May 2022  Toronto, Canada

**Major fields of study:** Programming, data structures and algorithms, API engineering and cloud computing, software testing and quality assurance

### BSc in Applied Physics and Mathematics


St. Petersburg University

 Sep 2015 - June 2019  St Petersburg, Russia

**Major fields of study:** numerical algorithms, computational physics, programming


## PET PROJECTS

### Social Media App

 Apr 2024 – July 2024

**Built a full-featured** social networking platform with real-time messaging, post feeds, likes, and **Google OAuth** for user authentication.

**Technologies:** ASP.NET Core (C#), React (TypeScript), SQL Server, AWS, SignalR

**GitHub:**  github-social-app

## RELEVANT COMPETENCES

- **Analytical mindset** and **problem-solving** skills.
- **Programming** skills in C#, Java, Python and JavaScript.
- **Data analysis** and **visualization** skills.
- Solid **software development** experience.

## TECH SKILLS

**Languages:** C#, Python, JavaScript, Java, C/C++, SQL

**Frameworks:** ASP.NET Core, React, PyTorch

## LANGUAGES

English (C1 level)

Russian (native)