



LIDIIA KHBORODOVA

AI engineer  South Korea



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My background in IT and research in machine learning and generative AI has shaped a strong interest in how AI can transform fashion. I am particularly interested in developing tools and applications that support the design process using LLMs and diffusion models, and I focus on projects that connect technology with creativity.

WORK EXPERIENCE

Sakhalin Energy LLC

Web master 2023.7 ~ 2024. 2

- Planned and improved the company website's structure and design, and managed content using a CMS.
- Developed new UI components, improved site quality through performance monitoring, and provided technical support to users.

Stack: HTML, CSS, PHP, Git/GitLab, Figma

Service desk analyst 2022.6 ~ 2023.6

- Managed company service requests, incident resolution, service availability monitoring, and Active Directory user accounts and access control.
- Developed PowerShell scripts to automate Level 1 support tasks, improving troubleshooting efficiency and reducing resolution time.

EDUCATION

Chungnam National University 2024.3 ~ 2026.2

Master of Clothing and Textiles

Master scholar student under BK21 projects in the Fashion Technology lab. Research in AI applied in the fashion field, projects in ML/DL and LLM. Development of AI based styling and design web-applications (OpenAI API, Stable Diffusion, Vue.js + FastAPI).

Thesis title: Development of a Web-based AI Creative Assistant to Support Beginner-Level Fashion Design Education.

Conference presentations:

- AI Fashion Assistant: A Web Application for Outfit Visualization Based on Weather Data Using OpenAI and Diffusion Models, 한국의학회 2025 춘계학술대회
- Reviving Fashion History: Applying Deep Learning for Archive Clothing Photography Colorization, 2025 SFTI-CMU 국제학술대회
- Evaluating Style Fidelity of AI-Generated Fashion Images Using Modern Vision Models Fine-Tuned on FashionStyle14, 한국의류 산업학회 2025 추계학술대회
- AI-Driven Approaches to Enhancing Accessibility of Luxury Fashion Websites, ICES 2025 국제학술대회(한국감성과학회)

Sakhalin state university 2018.9 ~ 2022.7

Bachelor of Applied Math and Informatics

Researches in Web Technologies and data science and machine learning in Wolfram Mathematica

Bachelor thesis title: Development of E-commerce website for individual entrepreneur

Research articles:

- Comparative Analysis of Machine Learning Methods for Solving the Classification Problem in the Wolfram Mathematica Environment
- Investigation of the Applicability of the Gradient Boosting Method for Solving the Forecasting Problem
- Predicting Stock Prices Using Linear Regression, Decision Tree, and Multi-layer Neural Network

SKILL

- AI and ML: Python (Pytorch), Stable Diffusion (Fine-tuning, LoRA)
- Web Software Engineering: Python (FastAPI), JavaScript (VueJS), HTML/CSS, Git
- Soft skills: Problem solving, Communication, Time management

LANGUAGES

- Korean (TOPIK 5)
- English (IELTS 7)
- Russian (Native)