

Ilian Khankhalaev

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Technical Skills

- **Programming Languages:** Python, C, C++, JavaScript
- **ML/AI Skills:** NumPy, Pandas, Scikit-learn, TensorFlow, Supervised/Unsupervised Learning, SVMs, Prompt Engineering, Model Evaluation
- **Frameworks & Tools:** React, Git/GitHub, Jupyter, LaTeX, Figma
- **Infrastructure & Systems:** Linux/Unix Command Line, Agile/Scrum, SDLC, Docker (basics)

Work Experience

Research Assistant — SFU (Computing Science)

Burnaby, BC | Jan 2026 – Apr 2026 (upcoming)

- Contributing to research on Modeling Metal Binding to Plastics and Microplastics (computational focus)
- Supporting parameter fitting, curve modelling, and numerical evaluation of binding behavior
- Assisting with simulations, data visualization, and interpretation of quantitative experiment results

Projects

Gym Whisper — Voice-Powered Workout Tracker (Frontend Web App)

May 2025 – August 2025

- Developed a **React** interface enabling voice-based workout logging, improving input efficiency vs manual text entry.
- Integrated **speech-to-text + LLM APIs** to automatically generate structured workout tables, reducing user formatting steps.
- Applied **MVC** architecture and practiced **Agile** task management using **GitHub** Issues + pull requests to maintain clean code structure.

Mini Portfolio Website (Personal Project)

May 2025

- Built a responsive portfolio site using **Next.js + Tailwind CSS** to showcase academic work and personal software projects.
- Implemented reusable **UI components** and improved **page load performance** through optimized client rendering.

Education

Simon Fraser University (SFU) — Bachelor of Computing Science Burnaby, BC | Jan 2024 – Present

GPA: 3.95 / 4.33

Interests

- Artificial Intelligence & Machine Learning Engineering
- Distributed / Storage Systems for ML workloads
- Software Development Projects