

# Alexey Mitjaew Hupat

+56 9 4460 7422 | Los Maitenes 15800, Casa 9, Colina | [alexey.mitjaew@sansano.usm.cl](mailto:alexey.mitjaew@sansano.usm.cl) | [github.com/amitjaew](https://github.com/amitjaew) | <https://www.linkedin.com/in/alexey-mitjaew-9645a1348>

## EDUCATION

---

### Universidad Técnica Federico Santa María

Ingeniero Civil Telemático

Enero 2020 — Diciembre 2025

Región Metropolitana, Campus San Joaquín

- Academic Merit for five consecutive years (academic score weighted average  $\geq 80$ ).
- Attended courses in Web & Mobile Application Design, Software Engineering, Analysis & Design of Software, Object-Oriented Programming, Data Structures & Algorithms, Operating Systems, Computer Networks, Database Systems, Cryptography & Information Security, Machine Learning, Computer Vision.

## WORK EXPERIENCE

---

### Frontend Developer Intern

MyFuture AI

Jun 2022 — Aug 2022

Remote

- Led frontend development for a productivity-oriented chatbot
- Tools used: TypeScript, ReactJS, Tailwind CSS, and Redux

### Freelance Fullstack Developer

MyFuture AI

Sep 2022 — Dec 2022

Remote

- Developed data-oriented fullstack solutions for a one-time contract
- Created a datapanel for accessing global KPI and data visualization
- Tools used: FastAPI, MySQL, ReactJS, Google Charts

### Software Engineering Intern

Universidad Técnica Federico Santa María, Hybrid

Ago 2025 — Dec 2025

Universidad Técnica Federico Santa María

- Developed Backend Systems for Teloprogramo, an AI-powered coding challenge platform for STEM students with personalized exercises and real-time feedback
- Project selected for IDeA I+D 2025 innovation funding (#InnovacionUSM) for creating an inclusive system with accessibility features for visually impaired users
- Built systems for dynamic C++/Python challenge generation with unit test creation and code parsing/compilation
- Tools used: LLM for reference solution generation, pybind for C++ solution integration, and unittest (standard python lib) for dynamic unit test creation

## PROJECTS

---

### Fullstack Developer, Kokoro Chat

Present — Present

- Developed a 3D AI companion with a complete and customizable experience
- Key functionalities: upload custom 3D character models (VRM standard), live text-to-speech rendering with lipsync, and customizable character personalities via prompt modification
- Tools used: Docker, FastAPI, Langchain, ScikitLearn, ReactJS

### Fullstack Developer, Satoshis Palace

Nov 2023 — Present

- Developed a mobile-friendly online casino supporting multiple cryptocurrencies
- Implemented Slot Machine Abstract Factory pattern to create multi-stage slot machine games with minimal code
- Enabled dynamic cryptocurrency switching for bets during gameplay
- Tools used: Docker, NestJS, Colyseus, RabbitMQ, ReactJS

## SKILLS

---

- **Programming Languages:** JavaScript, TypeScript, Python, C/C++, HTML/CSS, Java, Dart, Bash
- **Technologies:** React, Svelte, Tailwind CSS, FastAPI, NestJS, Docker, Colyseus, RabbitMQ, Redux, Google Charts, Langchain, ScikitLearn, UNIX, Git, AWS