

# Alexander Tu

Software Engineer

## CONTACT DETAILS

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my website

github.com/momipochi

in linkedin.com/in/alexander-tu

## PERSONAL INFORMATION

Citizenship: **Poland**

Languages: **English** (native),  
**Chinese** (native), **Japanese** (N2),  
**Polish** (B2)

## OPERATING SYSTEMS

Linux, Windows, MacOS

## HARD SKILLS

- Python, Go, Rust, C++, Typescript/Javascript, Java, C#
- React, Vue3, Svelte, NestJS, gin-gonic, Spring
- jest, storybook, tanstack-query, junit
- MySQL, PostgreSQL, Oracle, MSSQL
- Docker
- Latex

## SOFT SKILLS

- Problem solving
- Adaptability
- Not afraid of asking questions

# Summary

Software Engineer specializing in frontend and/or backend development. Experience with all stages of development cycle from setting up project to testing and maintaining project, up to delivering product to customers. Well-versed in numerous programming languages, fast to adapt and learn new things swiftly.

## EXPERIENCE

SOFTWARE ENGINEER at *Snowflake*

**Oct 2022 - May 2023.**

◇ Developing new UI components, update/create APIs, project shipment, Snowvation hackathon

SOFTWARE ENGINEER at *Crowdconsultants*

**Aug 2023 - Jun 2024.**

◇ Creating backend APIs, reusable UI components, Azure DevOps pipeline, refactor legacy code, introduce new technology to improve development

## EDUCATION

ENGINEER DEGREE IN COMPUTER SCIENCE. *Polish-Japanese Academy of Information Technology.* **Oct 2019 - Mar 2023**

◇ Basic to advanced programming in Java. Algorithms, machine learning and system design.

◇ REST api projects, machine learning and applications in Java.

◇ Thesis: *Education platform for medical student from University of Warsaw*

## PERSONAL PROJECTS

MY WEBSITE - momipochi.github.io/website/

◇ Retro style terminal inspired website. Built using Svelte/Typescript

GO-REALTIME-CHAT - github.com/momipochi/go-realtime-chat

◇ Real-time chat built in Golang and ReactTS. The main focus of this project is to use threading in Golang. I might add more features like persistency in the future.

JAVA-SPRING-MINI-PROJECT - github.com/momipochi/java-spring-mini-project

◇ REST project in Java spring and ReactTS, with database for persistency.

TAIWAN AMIGO - github.com/momipochi/taiwan\_amigo

◇ Real-time voice/video chat social platform. Built from scratch with web-socket, Vue3/Typescript/NestJS/Docker container on Azure/Netlify

PHYSICS BOMB - github.com/momipochi/physics\_bomb

◇ Physics simulation of multiple dots traveling from point A to point B using linear interpolation. Written in Javascript.

WEB SCRAPER - github.com/momipochi/exh

◇ Webscraper for downloading images into organized albums. Built with Python.

THESIS - project not publicly available

◇ Education platform for medical student from University of Warsaw. Built with React/Typescript/C#/MySQL.

◇ The platforms allows professors to easily track group and hand out tests/assignments to students. Students receive tests/assignments to improve skill to identify cardiovascular diseases based on the diagrams.