



# Zhaosi Qu

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Tartu, Estonia

## ● EDUCATION AND TRAINING

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AUG 2021 – CURRENT

**MSC STUDENT** – University of Tartu

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Learned the main body of knowledge and theories of software engineering, such as system modeling, agile development, and software quality.

**Field of study** Software Engineering

AUG 2014 – JUN 2018

**BACHELOR OF ENGINEERING** – Shandong University

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Learned about automatic control theory, microcontroller development, embedded software development, and the necessary knowledge of engineering mathematics.

**Field of study** Automation

## ● WORK EXPERIENCE

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JUN 2018 – AUG 2021

**INDEPENDENT DEVELOPER**

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Operating a subscription-based online attendance service for small & medium enterprises. Developed a budget management system for business use. Created an open source project for anti-spam and anti-tracking based on Telegram groups.

## ● DIGITAL SKILLS

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### My Digital Skills

#### Programming

C | Python | Java | SQL | Elixir | F# | JavaScript | Shell Script (Bash)

#### Deployment

Linux | Docker | CI/CD | Ansible | Kubernetes

#### Web

Flask | Spring | Vue.js | HTML | CSS | Restful APIs

#### Engineering

Agile (Scrum & Kanban) | UML | Software Quality Engineering | Design Patterns

## ● PROJECTS

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### Anti-spam project for Telegram groups

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<https://github.com/scp-079>

An open-source, public welfare project aiming to provide a complete set of ad-blocking, malicious user-blocking, and automatic management solutions. Through the source code of SCP-079, anyone can create a series of feature-rich group management bots.

### ESI Project Backend

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<https://github.com/chaosrun/ESI-project-backend>

A resource sharing system can provide cross-library catalog searching and interlibrary loan request service. This project is the back-end of the system, written in Java, using the Spring framework, and provides RESTful style APIs. It is deployed on Heroku and can be tested according to the project README.

### ESI Project Frontend

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<https://github.com/chaosrun/ESI-project-frontend>

This is the frontend of the library sharing system mentioned above, using Vue.js as the JavaScript framework. The frontend consumes the backend APIs, and provides a user-friendly interface. It is also deployed on Heroku, and for the login credentials information please check the backend project README.

### Takso

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<https://github.com/chaosrun/takso>

An online taxi booking system. The project is written in Elixir, using Phoenix as the web framework, follows the TDD process, and supports both passenger and driver to login. It supports automatic booking matching based on estimated cost and driver workload.