

# Shuang Song

*Independent Developer for Algorithms & Contracts.  
PY/RS/CPP/SOL.*

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🌐 <https://github.com/ssghost>  <https://linkedin.com/in/shuangsongprofile>

## Profile

Experienced Job Types:

- 6 years Machine Learning Engineer
- 3 years Smart Contract Engineer
- 3 years Rust EVM Engineer

Expected Job Types:

- Machine Learning Engineer, Smart Contract Engineer, Smart Contract Auditor
- HongKong On-site & Remote
- Europe Remote & VISA supported On-site

## Professional Experience

09/2020 – 07/2023  
Remote, Japan

### Web3 Smart Contract Engineer

*SPARTICLE INC. JAPAN*

Deployed and managed a React based large-scaled instant message web service for business uses and designed its fast responding backends and EVM architectures with Rust cooperating a 30 members all-remote team, built and published a Solidity based NFT token system related with the IM service almost alone within 2 weeks.

08/2018 – 09/2020  
Remote, Japan

### Quantitative Financial Engineer

*INVEST INC. JAPAN*

Participated in an expert team of about 25 members to build and deploy some financial-oriented ML systems of quantitative strategy designing to help customers to acquire maximum profits in the stock market of Japan, managed to build a complete workflow of Deep Reinforcement Learning by myself.

02/2016 – 08/2018  
Shanghai, China

### Computer Vision Engineer

*SUNNATECH SHANGHAI CO, LTD.*

Built, deployed, tested a Tensorflow based medical Images classification system with a 20 members team and applied it on the primitive screening of 7 diseases in 4 local clinic radiology departments.

08/2012 – 02/2014  
Shanghai, China

### Fellow Researcher

*CHINESE NATIONAL NATURE SCIENCE FOUNDATION PROJECT RNA INTERFERENCE THERAPY TEAM*

This was my master's degree related research project. I learned all the foundations of data analytics and programming skills during the studying period. I completed and published 3 SCI papers during this period.

## Projects

01/2022 – 05/2022	<b>MY RUST SIDE PROJECT</b> <a href="https://github.com/ssghost/My_Resume/blob/main/My_Rust_Sideproj.md">https://github.com/ssghost/My_Resume/blob/main/My_Rust_Sideproj.md</a> 5 versatile pure Rust based applications written all by myself including Defi app, Quant trading indicator, Backend, Hardware driver, and Terminal interfaces.
01/2021 – 02/2021	<b>MY BLOCKCHAIN TECHSTACK</b> <a href="https://github.com/ssghost/My_Resume/blob/main/My_BlockChain_TechStack.md">https://github.com/ssghost/My_Resume/blob/main/My_BlockChain_TechStack.md</a> 10 practical blockchain projects created all by myself, including: Basic Contracts, Distributions of ERC20 Token, ERC721 NFT, ERC 1202 DAO, MEV, Querying of NFT, zkSync Enhancements, and a complete Rust backend supported Defi App.
01/2018 – 02/2018	<b>MY DEEPLARNING TECHSTACK</b> <a href="https://github.com/ssghost/My_Resume/blob/main/My_DeepLearning_TechStack.md">https://github.com/ssghost/My_Resume/blob/main/My_DeepLearning_TechStack.md</a> 10 practical deep-learning projects created all by myself, including: CNN, RNN, RL, NLP, GAN, Transformers, Computer Vision, Financial Decisions, Stable Diffusions.

## Education

08/2011 – 08/2014 Shanghai, China	<b>Master of Medicine</b> <a href="#">Shanghai Marine Medical University</a> Research Subject: Cell Plasticity and RNA Interferences Author and Co-author of 3 International SCI Papers during studying period.
08/2005 – 08/2010 Chengdu, China	<b>Bachelor of Medicine</b> <a href="#">Southwest Medical University</a> Research Subject: Diagnostic Radiology

## Certificates

<b>Certified Blockchain Solidity Developer</b> <i>Advanced</i>	<b>Certified Kubernetes Application Developer</b>	<b>Coursera Deep Learning Specializations</b>
<b>Coursera Machine Learning Specializations</b>	<b>Coursera Tensorflow in Practice Specializations</b>	<b>Chainlink Oracles Foundation</b> <i>Master Class</i>

## Skills

Python	C++
Javascript	Typescript
Rust	Solidity
Julia	SQL
Translation	Statistics
Graphic Design	Scientific Writing