

# Soares Ruofei CHEN

soares.chen@maybevoid.com · <https://maybevoid.com>  
Leipzig, Germany

## SENIOR RUST ENGINEER

15 years of experience in areas including blockchain, web technologies, and machine learning.

### SOCIAL NETWORK

#### GitHub

<https://github.com/soareschen>

#### LinkedIn

<https://www.linkedin.com/in/soareschen>

### KEY COMPETENCIES

Rust	Functional Programming
Haskell	Type Theory
Nix	Programming Languages
JavaScript	Protocol Design

## PROFESSIONAL EXPERIENCE

### Informal Systems

Apr 2021 - Apr 2025

#### Rust Engineer (Remote)

Lead and contribute to open source Rust projects including [Hermes SDK](#), [Hermes](#), [IBC Starknet](#), [ibc-rs](#), [Cosmos.nix](#). Lead the technical design and privacy architecture for [Cycles](#).

### Scrive

Jun 2019 - Jan 2021

#### Haskell Developer (Remote)

Contribute to the development of Haskell backend, Nix and infrastructure integration.

### Cosmo Software

Apr 2017 - Dec 2018

#### R&D Software Engineer

Contribute to the WebRTC specification and Web Platform Tests. Implement WebRTC solutions using JitsiMeet, Medooze, and AWS.

### Deep Labs

Oct 2015 - Mar 2017

#### Senior Research Engineer

Implement real-time face recognition solutions using Python, Torch and Caffe.

### Nitrous.IO

Jan 2015 - Jun 2015

#### Software Engineer

Contribute to development of a cloud-based editor using Go, CoffeeScript, Docker, OAuth2.

### ScoreCloud

Jan 2012 - Jun 2013

#### Developer Intern

Implement an iOS and web application with real-time music streaming and processing capabilities using CommonLisp, Node.js, Core Audio, AWS.

## EDUCATION & CERTIFICATIONS

### Bachelor of Computing in Computer Engineering

National University of Singapore, 2014

## PUBLICATIONS

### Ferrite: A Judgmental Embedding of Session Types in Rust

[ECOOP 2022](#), [Arxiv](#)

## PERSONAL PROJECTS

### Context-Generic Programming

Modular programming paradigm for Rust

### Ferrite

Session Type EDSL for Rust

### Casimir

Algebraic Effects library for Haskell