

# JINWEI LONG

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## 🎓 EDUCATION

**Zhejiang University**, Bachelor Sep, 2016 – Current  
Computer Science and Technology & Statistics  
GPA 3.9/4.0, rank: 20%  
First class scholarship for excellent students

## 👥 EXPERIENCE

**ZJU Lambda Group**, Zhejiang University Sep, 2017 – Current  
*founder* Programming Language Theory, Functional Programming

- Created ZJU Lambda Group
- Organized several presentations about Haskell, Scala, static analysis, verification and dependent types
- Website: <https://zju-lambda.tech/>

**ZJUBTV**, Zhejiang University Sep, 2018 – Current  
*programmer* Website development

- Developed some internal websites

**University of Science and Technology of China** Mar, 2018 – Sep, 2018  
*exchange student and research assistant* Programming Language Theory

- Learned a lot about static analysis
- Engaged in the translation of *Practical Foundations for Programming Languages*

## 🐱 PROJECTS

**Steak Language**, Haskell, C++

Superset of C++17

- Functional library written in C++17 which provides generalized algebraic data types, pattern matching and lazy evaluation
- Domain specific language powered by macro
- Compiler written in Haskell, which compiles steak language files into C++17 files

**Dualdb**, C++

A key/value storage system for the First PolarDB Database Performance Contest

- 15th among 1635 teams in the contest

**Tigerfix**, C++, Python

Hot fix tool for compiled languages such as C and C++

- Helps to change the implementation of some functions without restarting the running process

**Memfs**, C++

Memory file system for Linux

- Use skiplist as index data structure

## ⚙️ SKILLS

**Programming Languages**

C++, Scala, JavaScript, Haskell, Python

**Web Development**

Express.js, Akka Actor, Docker

**Bigdata**

Statistics, Hadoop, Spark, Zookeeper

**Other skills**

Design domain specific language, Program analysis