

TESLA ICE ZHANG

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🎓 EDUCATION

Chengdu Foreign Languages School (CFLS), Chengdu, China

2015.9 – Present

👤 EXPERIENCE

FriceEngine

<https://icela.github.io/>

A multilingual, natively-written, easy-to-use game engine series.

- Based on life cycle / utility APIs, based on each languages' built-in GUI framework, easy to install.
- GitHub issues / milestones are used as task / version managing tools, nice changelogs.
- A JavaFX-based drag-and-drop GUI designer, generates multilingual codes for each language.

Lice language

<https://github.com/lice-lang/lice>

A scalable programming language running on JVM.

- Support lambdas and lazy (call by need) / macro (call by name) / strict (call by value).
- About one-twentieth of Java's (Hotspot 8u151) performance in benchmark, and can perfectly interact with JVM languages, work with Java's built-in script engine.
- Provided JetBrains IDE plugin supporting semantics-based highlightings, error checkings, completions, jump-to-definition, renaming, eval and replace, quick fixes, etc.
- Provided a command-line REPL with GHCi-style code completion and colored output.

Kt2Dart

<https://github.com/ice1000/Kt2Dart>

A transpiler that converts Kotlin codes into Dart, written in Haskell.

julia-intellij

<https://github.com/ice1000/julia-intellij>

Julia plugin for JetBrains IDE, works with all JetBrains products.

- Semantics-based highlighting, error checking, quick fixes, completions, special input mode for unicode symbols.
- Supports existing tools like DocumentFormat.jl, provide config file highlighting, completions and linter.
- Provides a visual package manager that wraps the built-in one.
- Integration with other plugins, like provide Markdown highlighting for doc strings.

♡ ACHIEVEMENTS

1 kyu on CodeWars, ranked #32 on the whole site, primarily in Haskell

Aug. 2017

⚙️ SKILLS

- **Programming Languages:** multilingual, not limited to any specific language, and especially experienced in Java/Kotlin/Dart/C#/Haskell/Agda
- **Compilers:** familiar with LLVM IR (and LLVMSharp), optimizations, closure conversions, etc.
- **Kotlin:** 2 years of experience, 4 projects in Awesome Kotlin
- **Agda:** understand type-level programming and formal verifications
- **JetBrains MPS:** 1 years of experience, understand Language-Oriented Programming concepts and usage
- **IDE Toolings:** 1 years of experience, Familiar with the IntelliJ Platform infrastructure, with some experience with Eclipse
- **Mobile developing:** 2 years of experience, Android, Fuchsia (Flutter)
- **Editors:** can adapt to any editors, normally use JetBrains IDEs, Emacs, Notepad++

i MISCELLANEOUS

- Blog: <http://ice1000.org/>
- Opensource contributions: <http://ice1000.org/opensource-contributions/>
provide bug fix / new features to organizations like **Microsoft, JetBrains, shields.io, Ruby**, etc.
- StackOverflow: <http://stackoverflow.com/users/7083401/ice1000>
also active on other StackExchange sites
- Languages: English - fluent (TOEFL 100), Chinese - native speaker
- Get the newest version of this resume: <https://tinyurl.com/y8xdlfug>