

TESLA ICE ZHANG

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🎓 EDUCATION

ChengDu Foreign Languages School (CDFLS), Chengdu, China

2015.9 – Present

👤 EXPERIENCE

FriceEngine

<https://github.com/icela/FriceEngine>

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

- Easy to use, just to implement life cycle methods and use the super-convenient APIs.
- Easy to install, based on the built-in GUI framework of each language.
- A JavaFX-based drag-and-drop GUI designer, generates multilingual codes for each language.

Lice

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

A scalable programming language running on JVM.

- Support lazy (call by need) / macro (call by name) / strict (call by value).
- A development kit, a command-line REPL with code completion.
- Perfect interaction with JVM languages.

Kt2Dart

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

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

Theorems

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

Some theorem-proving codes, written in Agda.

♥ ACHIEVEMENTS

1 kyu on CodeWars, ranked #27, primarily in Haskell

Aug. 2017

⚙️ SKILLS

- **Programming languages:** multilingual dev, not limited to any specific language, but mostly experienced in Java/Kotlin/Dart/C#/Haskell/Agda
- **Compilers:** familiar with LLVM IR, backend optimizations, AST transformations, compiling closures, etc.
- **Kotlin:** 2 years of experience, 4 projects in Awesome Kotlin
- **Agda:** know theorem proving, formal verification and dependently typed programming well
- **JetBrains MPS:** 2 years of experience, understand Language-Oriented Programming
- **Platforms:** Java SE & JNI & Android, Flutter & Fuchsia, JetBrains MetaProgrammingSystem
- **Editors:** Proficient in JetBrains IDEs, Emacs

📄 MISCELLANEOUS

- Blog: <http://ice1000.org/>, actively updated
- GitHub: <https://github.com/ice1000>, active user
- Opensource contributions: <http://ice1000.org/opensource-contributions/> contributed to organizations like **Microsoft**, **shields.io**, **Ruby**, etc.
- StackOverflow: <http://stackoverflow.com/users/7083401/ice1000>, active user
- Languages: English - Fluent, Chinese - Native speaker