Tesla Ice Zhang

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🎓 Education

ChengDu Foreign Languages School (CDFLS), 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 issue / milestone are used as task / version managing tools, nice changelogs.
- 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 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 testing.
- A development kit, a command-line REPL with code completion, and extension APIs.

Kt2Dart   `https://github.com/ice1000/Kt2Dart`

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

Theorems   `https://github.com/ice1000/Theorems`

Using Agda to prove some algebraic theorems.

♡ Achievements

1 kyu on CodeWars, ranked #28, 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 convertions, 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
- **Mobile developing**: **2 years of experience**, Android, Fuchsia (Flutter)
- **Editors**: can adapt to any editors, normally use JetBrains IDEs, VSCode, Notepad++ and Emacs

ℹ Miscellaneous

- Blog: `http://ice1000.org/`
- Opensource contributions: `http://ice1000.org/opensource-contributions/`
  provide bug fix / new features to organizations like **Microsoft, 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`