

## Marisa Kirisame (lolisa@marisa.moe)

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OBJECTIVE	<b>Build real-world Computer Science experience in an industrial internship</b>
EDUCATION	<b>University of Washington, Seattle WA</b> , Sophomore, 2016 - present,
<b>Industry Experience</b>	Interned at ThoughtWorks, Beijing, 7/2016 - 9/2016. Created <a href="https://github.com/ThoughtWorksInc/DeepDarkFantasy">https://github.com/ThoughtWorksInc/DeepDarkFantasy</a> , A Functional Programming Language for Deep Learning, written in Scala.
GIT/GITHUB	<a href="https://github.com/MarisaKirisame">https://github.com/MarisaKirisame</a> Consistently pushed code/contribute on GitHub for 600 days
RUST	<b>Primary reviewer to the Rust Primer book</b> Perform 3 front-to-back reviews and fixed over 100 typos and technical errors
C++	<b>4 years of experience</b>  <a href="https://github.com/MarisaKirisame/first_order_logic_prover">https://github.com/MarisaKirisame/first_order_logic_prover</a> Library for automated theorem proving, with template metaprogramming to ensure transformation correctness  <a href="https://github.com/MarisaKirisame/reflection">https://github.com/MarisaKirisame/reflection</a> Template library for compile-time reflection
Coq	<b>3 years of experience</b>  <a href="http://tinyurl.com/h9baq4m">http://tinyurl.com/h9baq4m</a> Synthesis of isomorphisms between data structures using Ltac  <a href="https://github.com/MarisaKirisame/Coq_code/blob/master/Paradox.v">https://github.com/MarisaKirisame/Coq_code/blob/master/Paradox.v</a> Demonstrated Girard's Pradox in 10 lines of code (with type-in-type)
PROGRAMMING LANGUAGE	<b>Work in UW PLSE (Programming Languages and Software Engineering)</b> <a href="http://uwplse.org">http://uwplse.org</a>  Blog about PL/PLT in <a href="https://zhuanlan.zhihu.com/marisa">https://zhuanlan.zhihu.com/marisa</a>
ML/AI	<b>Took course CSE 446 (ML), GPA 3.8</b>  Books Studied: <a href="https://github.com/MarisaKirisame/Artificial_Intelligence_A_Modern_Approach">https://github.com/MarisaKirisame/Artificial_Intelligence_A_Modern_Approach</a> <a href="https://github.com/MarisaKirisame/PAIP">https://github.com/MarisaKirisame/PAIP</a> Reinforcement Learning: An Introduction Genetic algorithm in search optimization and machine learning Handbook of practical logic and automated reasoning
HASKELL	Reached 2K, rank #573 on code war, primarily in Haskell