# Marisa Kirisame (lolisa@marisa.moe)

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