

Objective	Acquire experience related to CS by working in the industry
Education	University of Washington, Undergrad Freshman, 2015 - present
git/github	<p>github.com/MarisaKirisame</p> <p>consistently push code/contribute on github for 600 days</p>
C++ - 4 years	<p>https://github.com/MarisaKirisame/first_order_logic_prover</p> <p>Automated Theorem Proving with ad-hoc dependently typed algebraic data type, pattern matching, subtyping, encoded via template meta programming, to ensure transformation correctness.</p> <p>https://github.com/MarisaKirisame/reflection</p> <p>Using macro metaprogramming to generate SFINAE and template metaprogramming code that do compile time reflection of member/static variable/function and member variable visitor</p>
Coq - 3 years	<p>https://github.com/MarisaKirisame/Coq_code/blob/86dfe637f60fe2a4173ebfca782de18d0c463643/seven_trees_in_one.v</p> <p>synthesis of isomorphism between data structure using Ltac</p> <p>https://github.com/MarisaKirisame/Coq_code/blob/master/Paradox.v</p> <p>Girard Pradox in 10 lines of code (with type-in-type)</p>
Programming Language	<p>Work in uw plse(programming language and software engineering) lab</p> <p>Blog about PL/PLT in https://zhuanlan.zhihu.com/marisa</p>
Rust	One of the main contributor of Rust Primer, in charge of reviewing, done 3 review and fixed ~100 typo/ technical error
AI/ML	<p>Read: AI Modern Approach</p> <p>https://github.com/MarisaKirisame/Artificial_Intelligence_A_Modern_Approach</p> <p>Paradigms of Artificial Intelligence Programming</p> <p>https://github.com/MarisaKirisame/PAIP</p> <p>Reinforcement Learning: An Introduction</p> <p>Genetic algorithm in search optimization and machine learning</p> <p>Handbook of practical logic and automated reasoning</p>
Language	English/Mandarin/Cantonese