Junwoo Lee

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EDUCATION

Sogang University   Seoul, South Korea
Bachelor's of Computer Science and Engineering   *Mar 2023 — Present*
- Total GPA: 3.89 / 4.3 | Major GPA: 4.01 / 4.3

PROJECTS

SLR Parsing Table Generator (github.com/MilkBomb11/SLR_Parser)   Oct 26, 2025
- Made with F#
- Given a file containing a context free grammar as input, it produces an equivalent SLR parsing table.

Lexer, parser, IR generator, optimizer for an imperative toy language   Aug 15, 2025 — Sep 12, 2025
- Made with F#
- Made the lexer, parser, IR generator, and optimizer for an imperative toy language whose syntax is similar to that of C
- The IR generator produces IR code which is similar to the IR implemented in this course: https://github.com/kupl-courses/COSE312-2023spring
- The optimizer performs live variable analysis for dead code elimination and constant propagation analysis for constant propagation and folding.

Stack Lang (github.com/MilkBomb11/stack_lang)   Feb 15, 2025 — Feb 22, 2025
- Made with C++
- Made the lexer, parser, and interpreter for an imperative toy language called Stack Lang, whose syntax is similar to that of C

ml2 (github.com/MilkBomb11/Passion_Projects/tree/master/ml2)   Jan 25, 2025 — Feb 3, 2025
- Made with Ocaml
- Made the lexer, parser, and interpreter for a functional toy language called ml2 whose syntax is similar to that of Ocaml.

Interpreter for a functional language and an imperative language   Jan 17, 2025
- Made an interpreter for a functional language and an imperative language as homework for this course: https://prl.korea.ac.kr/courses/cose212/2024/

TEACHING EXPERIENCE

Teaching assistant for Python boot camp for pre-college students   Jan 20, 2025 — Feb 7, 2025
Sogang University
- Answered questions from pre-college students
- Graded assignments and exams

EXTRACURRICULAR ACTIVITIES

Sogang ICPC Team academic club member   Mar 1, 2023 — Present

SKILLS

- **Programming Languages**: C/C++, F#, Ocaml, Python
- **English Proficiency**: 2024.09 - TOEFL 104