

# PARK JUNYOUNG

/박준영/ [pɛk tɕu.nʌŋ]

✉ bloomwayz@snu.ac.kr

🔄 young-52

🌐 junyoung.vercel.app

I am an undergraduate student in Linguistics and Computer Science at Seoul National University.

I am fascinated by every area **where humans and computers meet**: from making developer tools more intuitive to designing AI-powered systems that support diverse users.

My goal is to improve developer experience based on natural/programming languages and HCI.

## Interests

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- Human-Computer Interaction
- Human-Centered AI
- Mechanistic Interpretability of Language Models
- Formal Semantics of Natural/Programming Languages

## Education

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Mar 2026 – **Seoul National University (SNU), B.Sc. in Computer Science and Engineering.**

Mar 2023 – **Seoul National University (SNU), B.A. in Linguistics.**

- GPA: 3.91/4.3
- Expected Graduation: February 2028

## Research Experience

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Oct 2025 – **Natural Language Processing Laboratory, SNU, Research intern.**

Advised by [Hyopil Shin](#) and [Sangah Lee](#).

- Mechanistic interpretability of React useEffect dependency reasoning in LLMs  
*Ongoing research.*
- Intent and sentiment analysis module for callbot frameworks  
*Ongoing research.*


Aug 2024 – Aug 2025 **Programming Language Laboratory, SNU, Research intern.**

Advised by [Kwangkeun Yi](#).

- Static analysis augmented AI Python teaching assistant 🔄  
*A Chrome extension for Google Colab. Contributed as a frontend engineer to design the UI/UX and implement data fetching architecture.*
- M language server and extension 🔄  
*Developed a language server for polymorphic-typed lambda language M, featuring token-wise type inference and semantic highlighting. Deployed as an official tool for the SNU course Programming Languages.*


## Projects

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Dec 2025 – **Moiming**, *Frontend developer* 

A web service for creating and managing first-come-first-served events.

- Contributed to early-stage UI/UX ideation.
- Implemented core web interfaces and developed authentication and event creation modules.
- Built a CI/CD pipeline via GitHub Actions to automate code quality checks and deployment to AWS S3 and CloudFront.

Jan 2025 – Apr 2025 **Tour of Gradio**, *UI designer & frontend developer* 

An LLM/Gradio education website for non-CS major students, which contains of interactive Gradio tutorials and online Gradio playground.

Aug 2025 **SNU Linguistics B.A. Thesis L<sup>A</sup>T<sub>E</sub>X Class** 

A L<sup>A</sup>T<sub>E</sub>X class for Bachelor's theses at the Department of Linguistics, Seoul National University.

Mar 2025 – Jun 2025 **Hapticky** 

An iOS haptic-augmented keyboard prototype for low vision users. Final project for the SNU course *Human-Computer Interaction*.

- Designed distinct haptic patterns and assigned them to keys to improve texting experiences.
- Participated in designing UI and developing the iOS application.

## Selected Honours

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Sep 2025 – Aug 2026 **Humanities Scholarship**, *SK ecoplant*.

Recognized for societal contribution; ₩2.5M scholarship per semester.

Jun 2025 **Outstanding Teaching Assistant Award**, *SNU College*.

SNU F37.101 *Basic Computing*.

Aug 2023 **Ku Jaeseo Scholarship**, *SNU Foundation*.

Recognized for academic excellence; half-tuition.

## Teaching Experience

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*Undergraduate Teaching Assistant*

Spring 2026 **SNU F37.204 Core Computing**, *Head undergraduate TA*.

Fall 2025 **SNU F37.204 Core Computing**

Spring 2025 **SNU F37.101 Basic Computing**, *Outstanding Teaching Assistant Award*

Spring 2025 **SNU 4190.310 Programming Languages**

Spring/Fall 2024 **SNU L0444.000500 Core Computing**

Summer 2023 **SNU L0444.000400 Basic Computing**

## Miscellaneous

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Sep 2025 – **Waffle Studio**, *Frontend engineer*.

Waffle Studio is a development club at SNU. I am participating in Moiming project as a frontend developer. Also, I take a part in React Seminar team to prepare a React seminar for new members in Autumn 2026.

Mar 2024 – **LnL, the residential college at SNU**, *Residential assistant*.

LnL is a residential college at SNU. I provide general advice to help my freshmen mentees adapt to campus life, living with them at SNU residential hall.

Jan 2025 – Feb 2026 **Linguistics Student Executive Office**, *Co-founder & co-director*.

We have done a variety of community events and welfare business, e.g. the first Professor-Student Council for education environment.

## Skills

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### Natural Languages

Korean/한국어 (native, 2003) · English (fluent, 2009) · Spanish/Español (intermediate, 2020)  
German/Deutsch (elementary, 2024) · Korean Sign Language (elementary, 2026)

### I Use Frequently

Python (2019) ·  $\LaTeX$  (2023) · OCaml (2024) · TypeScript (2024) · Typst (2024)  
React (2025) · GitHub Actions (2025)

### I Have Experience in

C (2016) · Java (2018) · JavaScript (2024) · Swift (2025) · C++ (2025) · ReScript (2025) · Rust (2025)  
PyTorch (2023) · Next.js (2026) · Svelte/SvelteKit (2026) · TransformerLens (2026)