

Juhyun 'Simon' Park

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SUMMARY

I am a fourth-year undergraduate student at Princeton University expected to graduate with a concentration in Mathematics and a certificate in Applications of Computing and in Statistics and Machine Learning. I am interested in mathematically understanding machine learning models. Some topics of my interests include deep neural networks and model interpretability.

EDUCATION

Princeton University, Princeton, NJ [Sep '21—May '23,
- B.A. in Mathematics, GPA: 3.90/4.0, Department GPA 3.97/4.0 Sep '17—May '19]
- Relevant Coursework: Mathematical Understanding of Deep Learning,
Understanding Large Language Models, Advanced Algorithm Design, Real/Complex
Analysis, Probability Theory, Game Theory, Algebra, Statistics

AWARDS AND RECOGNITION

Shapiro Prize for Academic Excellence – *Princeton University, Top 3%* [Sep '19]

EXPERIENCE AND ACTIVITIES

Lecture Notes for 'Introduction to Machine Learning' – *Co-Author, Editor* [Sep '22]
- Co-authored and primarily edited the lecture notes for the course COS324
- Available at <https://princeton-introml.github.io/>

TRUE Lab at KAIST – *Visiting Student Researcher* [Jun '19—Sep '19]
- Learned data analysis tools using machine learning architecture (CNN, RNN, GNN)
- Led two individual research projects to analyze real-worlds transportation data

Harvard-MIT Math Tournament – *Grader* [Feb '19]
- Graded team round and individual round submissions

Princeton University Math Competition – *Tech Team, Problem Reviewer* [Nov '18]

TEACHING EXPERIENCE

Undergraduate Course Assistant – *COS324* [Sep '22—Current]
- Hosts office hours and grades assignments

Lab TA – *COS226 & COS217* [Jan '22—Current]
- Helps student debug their assignments

LaTeX Trainer – *Princeton University Engineering Library* [Sep '22—Current]
- Hosts LaTeX training sessions and consultation sessions

Grader – *COS226 & COS126* [Feb '18—May '21]
- Graded and provided feedback on student assignments

SKILLS

Programming Language: Fluent in Java, Python / Familiar with C, R, MySQL

Natural Language: Fluent in Korean, English, Mandarin Chinese

Other: LaTeX