

# 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, model interpretability, and influence functions.

## EDUCATION

**Princeton University**, Princeton, NJ

- B.A. Candidate in Mathematics, GPA: 3.90/4.0

- Relevant Coursework: Real/Complex Analysis, Probability Theory, Game Theory, Algebra, Statistics, Advanced Algorithms Design, Mathematical Understanding of Deep Learning, Natural Language Processing

[Sep 2021—May 2023,

Sep 2017—May 2019]

## AWARDS AND RECOGNITION

**Shapiro Prize for Academic Excellence** – *Princeton University, Top 3%*

[Sep 2019]

## EXPERIENCE AND ACTIVITIES

**Lecture Notes for 'Introduction to Machine Learning'** – *Co-Author, Editor*

[Sep 2022]

- Co-authored and primarily edited the lecture notes

- Available at <https://princeton-introml.github.io/>

**TRUE Lab at KAIST** – *Visiting Student Researcher*

[Jun—Sep 2019]

- Learned data analysis tools using machine learning architecture (CNN, RNN, GNN)

- Led an individual project to analyze Seoul taxi trip data

**Harvard-MIT Math Tournament** – *Grader*

[Feb 2019]

- Graded team round and individual round submissions

**Princeton University Math Olympiad** – *Tech Team, Problem Reviewer*

[Nov 2018]

## TEACHING EXPERIENCE

**COS 226 / 217 Class** – *Lab TA*

[Jan 2022—Current]

- Helped students debug their assignments

**COS 226 Class** – *Grader*

[Sep—Dec 2021,

- Graded and provided feedback on student assignments

Feb—May 2019]

**COS 126 Class** – *Grader*

[Feb—May 2018]

## SKILLS

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

**Natural Language:** Fluent in Korean, English, Mandarin Chinese

**Other:** LaTeX