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

[Sep 2017—May 2019, Sep 2021—May 2023]

RESEARCH AND PUBLICATIONS

Lecture Notes for 'Introduction to Machine Learning' – *Co-Author, Editor*
  - Co-authored and primarily edited the lecture notes
  - Available at https://parksimon0808.github.io/COS324/

[Sep 2022]

TRUE Lab at KAIST – *Visiting Student Researcher*
  - Learned basic deep learning data analysis tools
  - Lead individual projects on public transportation data

[Jun—Sep 2019]

TEACHING EXPERIENCE

COS 324 Class – *Undergraduate Course Assistant*
  - TBD

[Feb—May 2019, Sep—Dec 2021]

COS 226 / 217 Class – *Lab TA*
  - Helped students debug their assignments

[Jan—May 2022]

COS 226 Class – *Grader*
  - Graded and provided feedback on student assignments

[Feb—May 2019, Sep—Dec 2021]

COS 126 Class – *Grader*

[Mar—Jun 2017]

EXPERIENCE AND ACTIVITIES

Harvard-MIT Math Tournament – *Grader*   [Feb 2019]
  - Graded team round and individual round submissions
Princeton University Math Olympiad – *Tech Team, Problem Reviewer*   [Nov 2018]

AWARDS AND RECOGNITION

Shapiro Prize for Academic Excellence – *Princeton University*   [Sep 2019]

SKILLS

Programming Language: Fluent in Java, Python / Familiar with C, R**,** MySQL
Natural Language: Fluent in Korean, English, Mandarin Chinese
Other: LaTeX