

Justin Kim

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in Justin Kim

🌐 <http://rlajustin.github.io/>

Education

2021 – 2025 📖 **B.S. Mathematics and Computer Science, Rutgers University.**
GPA: 4.0/4.0.

Experience

- 2024 – 2024 📖 **Research Experience for Undergraduates (REU)**, DIMACS, Rutgers University.
Research in building more efficient and secure digital signature schemes, supported by NSF grants CCF-1836666 and CNS-2150186.
- 2022 – 2024 📖 **Research**, Rutgers University.
Worked on the [RLIBM project](#), supported by Aresty Research Center and NSF Grant No. 2110861. Utilized computing resources at Rutgers to compute math functions correct for all 32-bit inputs.
- 2023 – 2023 📖 **Seminar Instructor**, Rutgers University.
Designed a course in computer science while taking a class in pedagogy during the spring semester. Taught interested first-year students in the fall.
- 2022 – 2023 📖 **Grader**, Math Department, Rutgers University.
Graded coursework for Math 300 (first proofs course), provided feedback on proof writing skills.
- 2020 – 2021 📖 **Research**, Duke University (Virtual).
Worked on adapting blockchain consensus protocols for networks with unreliable responsiveness. Gained experience with the conference submission process.

Research Publications

Conference Proceedings

- 1 **J. Kim**, V. Mehta, K. Nayak, and N. Shrestha, “Brief announcement: Making synchronous bft protocols secure in the presence of mobile sluggish faults,” in *Proceedings of the 2021 ACM Symposium on Principles of Distributed Computing*, ser. PODC’21, Virtual Event, Italy: Association for Computing Machinery, 2021, pp. 375–377, ISBN: 9781450385480. 📄 DOI: 10.1145/3465084.3467954.

Skills

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| Languages | 📖 Native English, intermediate Spanish, elementary Korean. |
| Programming | 📖 Java, C/C++, Python, basic shell scripting. See https://github.com/rlajustin . |
| Technology | 📖 Linux, Slurm Workload Manager. |
| Misc. | 📖 Teaching, Inkscape, Mathematica, \LaTeX , TLA+. |

Awards

- 2023, 2024 📖 **Paul Robeson Scholar**, recognized by the CS department at Rutgers University for undergraduate research.
- 2022 📖 **Putnam Mathematics Competition**, Rank 220.