Justin Kim

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🌐 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

Languages   🔖 Native English, intermediate Spanish, elementary Korean.
Programming   🔖 Java, C/C++, basic scripts (Bash/Python/etc), TLA+. See https://github.com/rlajustin.
Technology   🔖 Linux, Slurm Workload Manager.
Misc.   🔖 Teaching, Inkscape, Mathematica, LaTeX.

Awards

2023, 2024   🔖 **Paul Robeson Scholar,** recognized by the CS department at Rutgers University for undergraduate research.

2022   🔖 **Putnam Mathematics Competition,** Rank 220.