Anton Yang

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EDUCATION

University of Missouri Columbia, MO — Expected Graduation: December 2025
Bachelor of Science, major in Actuarial Science, major in Statistics — GPA: 3.92/4.0
Minor: Information Technology.
Honors: University of Missouri Dean's List (four terms) | Missouri Nobel scholarship (2022)
Coursework: Accounting, Economics, Linear Algebra, Differential Equation, Mathematical Statistics, Probability Theory, Statistical Inference, Statistical Software Analysis, Theory of Interest

PROFESSIONAL EXAMS

- Passed SOA Exam P (Probability) — December 2023
- Passed SOA Exam FM (Financial Mathematics) — January 2024
- Sitting for SOA Exam SRM (Statistical Risk Modeling) — May 2024

TECHNICAL AND LANGUAGE SKILLS

- **Proficient in programming**: R, Python, Excel, SQL, SAS, C#
- **Language**: Mandarin

RELEVANT EXPERIENCE

University of Missouri, Columbia, MO — August 2023 - Present
Research Assistant

- Developed and implemented a comprehensive simulation model for the KENO lottery game, showcasing proficiency in coding and advanced statistical analysis
- Played a pivotal role in problem-solving by refining algorithms and optimizing code, resulting in a more accurate representation of the KENO lottery game
- Contributed to the correction of discrepancies in odds, enhancing the overall accuracy of gaming simulations and providing valuable insights to the field of probability and statistical modeling

University of North Carolina Charlotte, Charlotte, NC — May 2023 - August 2023`
Undergraduate Researcher

- Conducted extensive simulations using R programming language to develop and optimize statistical methods for personalized medicine.
- Explored various techniques, including Ordinary Least Squares, LASSO, and Kernel regression, to find the optimal treatment based on individual patient's characteristics.
- Collaborated closely with a research partner to contribute findings and experiment results leading to a successful co-authoring of a research paper for submission.
- Skillfully used High-Performance Computing (HPC) to run the extensive simulation with large sample sizes efficiently and reduced the computational time by 60%