RESUME

Yuekun Feng

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Nanjing University (China)	GPA: 3.6/4.0 (UW), 4.1/5.0 (NJU)
Department of Mathematics, Senior	TOEFL: 105, Duolingo: 140, TCF: B2

Education History

2008.9-2016.6	Peking University Elementary
2014.9-2015.4	Will Rogers Elementary School (Stillwater, Oklahoma, US)
2016.9-2019.6	Beijing 101 Middle School (middle-school)
2019.9-2022.6	Beijing 101 Middle School (high-school)
2022.9-	Nanjing University
2024.9-2025.6	University of Wisconsin-Madison (US, visiting)

Research Experiences

2025.9-	Survey in topics on algebraic geometry (preparing)
2025.6-10	Survey in symmetric group representation theory (45 pages, preprint)
2025.6-8	Attendance of the Polymath Junior Project, researching in representation theory

Working Experiences

2025.1-2025.6	Grader of Algebra (Math 112) at the Department of Mathematics of UW-Madison

Awards and Experiences

2025.8	Best Synthesizer and Collaboration Award in Lattice Model and Representation Theory Research Project
2024.7	Attendance of the 2024 International Congress of Basic Science
2024.2	Awarded successful participant of the 2024 Mathematical Contest in Modeling
2023.11	Awarded 1st prize of Jiangsu Province of the National University Math Contest

Some courses I took

2025 Fall:	Modular Forms (graduate), Algebraic Geometry (graduate), Modules and Representation Theory
2025 Spring:	Abstract Algebra II (graduate), A Second Course in Real Analysis (graduate), Algebraic Topology, Differential Geometry

Textbooks I am Working

Altman and Kleiman:	Commutative Algebra	Humphreys:	Lie Algebras and Representation Theory
Bump:	Lie Groups	Kac:	Infinite Dimensional Lie Algebras
Bump:	Hecke Algebras	Liu:	Algebraic Geometry and Arithmetic Curves
Cox, Little, Schenck:	Toric Varieties	Milne:	Algebraic Groups
Diamond, Shurman:	Modular Forms	Rudin:	Functional Analysis
Folland:	Real Analysis	Silverman:	The Arithmetic of Elliptic Curves
Frakas, Kra:	Riemann Surfaces	Weibel:	An Introduction to Homological Algebra
Hatcher:	Algebraic Topology	Weil:	Number Theory

Other Talents

Cello:	Member of Cello Studio at Mead Witter School of Music of UW, 2024.9-2025.6
	Principal of cello at the Symphony Orchestra of Nanjing University, 2022.9-
	Admission from the Tianjin Juilliard School, 2020
Rubik's cube:	4th place in teen group of World Cube Association at Beijing Winter Open, 2014