

WANG YANSHU

Citizenship: Chinese

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(email is more recommended)

#### OBJECTIVE:

I am interested in algebra and number theory and mathematical logic. Currently I am self studying commutative algebra to prepare for further studying algebraic number theory and analytic number theory.

#### EDUCATION:

School name: Nankai University; Major: math and applied math; Degree: Bachelor; Expected Graduation Date: September, 2026; Grade Point Average: 3.8/4 or 91.25/100

#### RELEVANT COURSEWORK:

MATH0130 Mathematical Analysis I 100  
MATH0083 Advanced Algebra and Analytic Geometry 2-1 100  
MATH0068 Computer Set Theory and Logic 91  
MATH0133 Mathematical Analysis II 97  
MATH0078 Advanced Algebra and Analytic Geometry 2-2 92  
MATH0097 Ordinary Differential Equations 96  
MATH0147 Complex Variable Function II passed  
MATH0132 Abstract Algebra I 88  
MATH0145 Complex Variable Functions 97  
MATH0146 Mathematical Analysis III 98  
MATH0134 Abstract Algebra II 95  
MATH0055 Number Theory 92  
MATH0065 Probability Theory 85  
MATH0079 Pointwise Topology 84  
MATH0102 Commutative Algebra  
MATH0136 Galois Theory 96  
MATH0151 Real Analysis 81  
MATH0162 Lie Groups and Algebraic Groups 90

#### SCHOOL PROJECTS

**BICMR AI4MATH**: I collaborate with four students to formalize in lean4 that Algebraic integer of  $\mathbb{Q}[\sqrt{-3}]$  is PID. I learn a lot of knowledge about functional programming and constructing a proof assistant. I learn some basic dependent type theory. Above all, I gain more ability of collaboration and of learning new things quickly.

#### SPECIAL SKILLS:

Programming Language: C++; python; latex; lean4; html & css ; bash

#### RESEARCH:

