

Markus Hoehn

Manhattan, Kansas

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Personal Information

Date of Birth: February 7th, 2007

Education

Kansas State University

Concurrent Enrollment

Fall 2022 - Present

Manhattan High School

High School Diploma

Expected Spring 2025

Current Weighted GPA: 4.96 and Current Unweighted GPA: 4.0

For detailed coursework information, visit: <https://markushoehn.com/coursework.html>

Competitions and Events

2024: Third Annual Mathematical Bee Competition, Kansas State University - 1st Place

2024: Twenty-Sixth Annual S. Thomas Parker Mathematical Competition, Kansas State University - 3rd Place

2024: Business Professionals of America, Kansas State Leadership Conference:

- C# Programming Competition - State Champion
- Python Programming - 2nd Place

2024: Business Professionals of America, National Leadership Conference:

- Python Programming - 10th Place, National Finalist
- C# Programming Competition - 12th Place

2024: Hack KU - Themed Track 3rd Place Winner

2023: Business Professionals of America, Kansas State Leadership Conference:

- Python Programming - 4th Place

2023: Business Professionals of America, National Leadership Conference:

- Python Programming - 18th Place

2023: Hack K-State - 'Best Use of Google Cloud' award, Honorable Mention for 'Best Overall Hack'

2023: Kansas Scholars Bowl Class 6A Derby HS Regionals - 2nd Place

2023: National German Exam Level 4 - Gold Award

2023: AP Scholar with Distinction Award

2024: AP Scholar with Distinction Award

For Hackathon project details, visit: <https://markushoehn.com/projects.html>

Teaching & Mentoring

Manhattan High School

President, Math Club

Fall 2023 - Present

Organize and deliver lectures for Math Club members, and volunteer at the Kansas State University Math Circle.

Manhattan High School

Programming Team Lead, Robotics Club

Fall 2023 - Spring 2024

Directed the transition of the codebase from Java to Python and developed a custom dashboard.

Manhattan High School

Team Captain, Robotics Club

Spring 2024 - Present

Oversaw the team's first implementation of a swerve drive system.

Employment

Kansas State University

Mathematics Paper Grader

Fall 2023 - Present

Graded assignments for Honors Calculus with Linear Algebra, Discrete Mathematics, and Matrix Theory.

Kansas State University

Research Assistant

Fall 2023 - Present

Collaborated with multiple departments on modeling and programming projects. Currently focusing on AI-driven vehicle collision detection.

Languages

English: Fluent

German: Proficient (Listening Comprehension: C1, Reading Comprehension: C1, Writing: B1, Speaking: B2)

Interests

Applied Mathematics, Financial Mathematics, Modeling

Technical Skills

Programming Languages: Java, Python, C#

Certifications: Certiport Information Technology Specialist in Python, Certiport Information Technology Specialist in Software Development

Typesetting: LaTeX, Microsoft Word

References

Employment Reference: Gabriel Kerr

Associate Professor, Mathematics Department

Director of Undergraduate Studies in Mathematics

Kansas State University

Email: gdkerr@math.ksu.edu

Phone: 785-532-6750

Academic Reference: Ivan Blank

Professor, Mathematics Department

Kansas State University

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