

# Markus Hoehn

Manhattan, Kansas

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## Personal Information

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**Date of Birth:** February 7th, 2007

## Education

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### 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

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**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

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### 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

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**Fall 2023 - Present:** Mathematics Paper Grader, Advanced Grading, Kansas State University

Graded assignments in Honors Calculus with Linear Algebra, Discrete Mathematics, and Matrix Theory **Fall 2023 - Present:** Research Assistant, Kansas State University

Collaborated with various departments on modeling and programming challenges. Currently focused on AI-driven vehicle collision detection.

## Languages

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**English:** Fluent

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

## Interests

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Applied Mathematics, Financial Mathematics, Modeling

## Technical Skills

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**Programming Languages:** Java, Python, C#

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

**Typesetting:** LaTeX, Microsoft Word

## References

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**Employment Reference: Gabriel Kerr**

Associate Professor, Mathematics Department

Director of Undergraduate Studies in Mathematics

Kansas State University

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**Academic Reference: Ivan Blank**

Professor, Mathematics Department

Kansas State University

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