

# Michael Zang

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## EDUCATION

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**University of Notre Dame** | Notre Dame, IN

August 2022 - May 2026 (Expected)

*Bachelors in Computer Science & Business Economics Minor*

### Relevant Courses

- Data Structures, Systems Programming, Fundamentals of Computing, Linear Algebra, Calculus I/II/III.

## PROFESSIONAL EXPERIENCE

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**Lenovo (Beijing) Co.,Ltd** | Beijing, China

June 2024 - July 2024

*Algorithm Intern @ Lenovo Research AI Lab. Mentor: Yuci Zhu (Senior Engineer)*

- Worked on the development of Lenovo's Time Series Large Model project, studied AI algorithms (association rule, decision trees), and large model network architectures (recurrent neural networks)
- Utilized Apriori and classification trees to uncover relationships between major competitors. Combined these insights with sentiment analysis and one-step prediction to forecast future Lenovo stock prices.
- Conducted stock analysis on a 30-million-row database, using SQL for extraction and python for visualization.

**iSoftStone INC** | Bellevue, Washington

June 2023 - August 2023

*Web Development Intern*

- Designed a tool on iSoftStone's website capable of transcribing audio and video files into text format.
- Integrated AWS services (Amazon Transcribe) using HTML, CSS, JavaScript and Nuxeo

## SELECTED PROJECTS

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**Car Plate Prediction Website (Full-stack)** | Notre Dame, IN

May 2024 - Present

*Solo Developer*

- Developed an interactive website using ReactJS, enabling users to upload car plate photos for text recognition.
- Integrated AI and Optical Character Recognition algorithms in python to detect and extract the plate numbers.

**TFT Database Tool (Full-stack)** | Richmond Hill, ON

September 2023 - Present

*Solo Developer*

- Developed a comprehensive tool to help players analyze statistics for the popular game Teamfight Tactics.
- Constructed API and utilized SQL/Python to clean, sort, and organize large datasets for statistical analysis.

**Startup Company (MATCH:D)** | Notre Dame, IN

January 2023 - Present

*Co-Founder*

- Created an innovative mobile application to facilitate student volunteering at the University.
- Incorporated a unique time-based currency system to reward monetary benefits in exchange for volunteer hours.

## LEADERSHIP AND ACTIVITIES

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**Student International Business Council** | Notre Dame, IN

February 2022 - Present

*Amazon/PWC/BOSCH Travel Team*

- Met weekly with peers and industry contacts to create innovative solutions in the Health/Cybersecurity/EV industry.
- Tackled industry problems through abstract thinking, implementation timelines, and risk analysis.

**CS For Good** | Notre Dame, IN

September 2023 - May 2024

*Project Lead*

- Lead the Dismas House project, focused on reintegration of former prison members into society.
- Designed website, optimized databases and files, and conducted technology classes.

## HIGHLIGHTED SKILLS

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**Technical:** Python, C, SQL, Java, AWS, HTML, CSS, C#, JavaScript, ReactJS, Nuxeo, Matlab

**Language:** English (Native), Mandarin (Conversational), French (Conversational)