

# Nolan Pozzobon

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## EDUCATION

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### THE UNIVERSITY OF CHICAGO

*Bachelor of Science in Computer Science*

*Bachelor of Arts in Linguistics*

GPA: 3.73

Relevant Coursework: Intro to Linguistics, Intro to Phonetics and Phonology, Language and Music, Discrete Mathematics, Intro to Semantics and Pragmatics, Algorithms, Intro to Syntax, Math for ML, Intro to Formal Languages

Chicago, IL

Expected: June 2026

### MIDDLEBURY LANGUAGE SCHOOL - RUSSIAN

*Russian School – Level 4 of 7; CEFR B2*

Middlebury, VT

Jun – Jul 2023

## SKILLS

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**Technical:** Python, Java, C, OS, Vue, Neo4j, AWS Services, Docker, Pandas, Praat, TypeScript, TensorFlow

**Language:** Professional working proficiency in Russian, Limited working proficiency in Spanish

## WORK

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### CharacTour – Software Engineering Intern

Jun – Aug 2024

- Designed and implemented new backend microservice using Python and SQL to fetch server data for frontend
- Refined recommendation matching algorithm, developed new quizzes, and wrote code for AI platform
- Built GenAI tech to rewrite text to appeal to 300 personality types by using LLMs including Meta's Llama3

### ESGX (startup) – Product Engineering and Development Intern

Aug 2024 – Present

- Led a team of four SE interns to ship an MVP of a B2B application to vet and match companies seeking ESG solutions and ESG providers using profile and financial data
- Implemented a node-graph-based matching algorithm, integrated Stripe using Express.js, wrote vue pages for user intake, chat, portal, and matching use cases, and created new, more efficient API endpoints
- Developed a full stack application including wireframing, front end design and coding, database structuring, matching algorithms, and AWS services

### UChicago Humanities – Student Technical Support Assistant

Mar – Jun 2024

- Troubleshoot software bugs caused by network, security, user, and device errors on faculty devices across iOS, Windows, Linux
- Learned workplace professionalism, inter-team communication and customer service skills

## Research

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### TTIC Research Assistant (Dr. Zhewei Sun)

Jan 2025 – Present

- Collected and cleaned novel slang datasets for training
- Designed and Implemented LLM architecture to expand monolingual semantic space to be multi-lingual
- Worked with TTIC's Linux based beehive using jupyter notebook, TensorFlow, and GPU/CPU's

## TECHNICAL PROJECTS

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### B2C Language Learning Web Product

Aug 2024 – Present

- Developed a content generation feature based on personalized vocab lists using HTML/JS and MySQL
- Integrating LLM APIs for sentence generation and translation V1, adding a customized model for V2
- Gained insight into web development, API use, databases, GenAI and other topical technologies

## LEADERSHIP AND ACTIVITIES

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### Wrestling - University of Chicago

Oct 2022 – Present

- 2024 Scholar All American, 20 hours per week time commitment
- Developed discipline and dedication to self-motivated precision

## INTERESTS

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Academic: Natural Language Processing, Machine Learning, Artificial Intelligence

Hobbies: Playing Music, Language Study, Board/Card Games