Nolan Pozzobon

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EDUCATION

THE UNIVERSITY OF CHICAGO <div align="right">Chicago, IL</div>

Bachelor of Science in Computer Science <div align="right">Expected: June 2026</div>
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

MIDDLEBURY LANGUAGE SCHOOL - RUSSIAN <div align="right">Middlebury, VT</div>

Russian School – Level 4 of 7; CEFR B2 <div align="right">Jun – Jul 2023</div>

SKILLS

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

CharacTour – Software Engineering Intern <div align="right">Jun – Aug 2024</div>

- 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 <div align="right">Aug 2024 – Present</div>

- 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 <div align="right">Mar – Jun 2024</div>

- Troubleshot 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

TTIC Research Assistant (Dr. Zhewei Sun) <div align="right">Jan 2025 – Present</div>

- 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 juypter notebook, TensorFlow, and GPU/CPUs

TECHNICAL PROJECTS

B2C Language Learning Web Product <div align="right">Aug 2024 – Present</div>

- 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

Wrestling - University of Chicago <div align="right">Oct 2022 – Present</div>

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

INTERESTS

Academic: Natural Language Processing, Machine Learning, Artificial Intelligence
Hobbies: Playing Music, Language Study, Board/Card Games