

Josue Godeme

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Education

Tsinghua University, Schwarzman College, Beijing, China
Master of Global Affairs, Schwarzman Scholar

Incoming August 2026 – Expected July 2027

Dartmouth College, Hanover, NH

September 2022 – Expected June 2026

Bachelor of Arts, Major in Computer Science, Minor in Chinese, Minor in International Studies

GPA: 3.74

Honors & Awards: King Scholar (1/7 from 28,000+ global applicants), Stamps Scholar (1/7 from 400,000 applicants), Bosworth Award for Excellence in International Affairs (1 of 4)

Exchange Semesters: Beijing Normal University (Chinese Studies, June 2025 - August 2025), AIT Budapest (Computer Science, August 2024 - December 2024)

Leadership: Co-President of National Society of Black Engineers Dartmouth, Co-President of CoderDojo Dartmouth, Executive Board of Dartmouth African Student Association

Experience

Maha Global

June 2024 – August 2024

Applied Machine Learning Intern

- Developed and optimized NLP pipeline to analyze 1,000+ analyst notes using keyword frequency analysis and LLM integration, reducing manual processing time by 25%.
- Integrated 5+ external APIs (Digimind, ChatGPT, Claude) into production systems, improving AI-driven reputation management tools across cross-functional teams.

Research Computing at Dartmouth

June 2023 – Sept 2023

Data Science Intern

- Co-authored peer-reviewed paper published at the Pacific Symposium on Biocomputing (Hawaii, 2025): validated synthetic text generation for mental health NLP tools via data augmentation (**first author**)
- Built AI model classifying fidelity in therapy sessions (74% accuracy) and an AI simulation evaluating GPT-3.5 Turbo diagnostic consistency across medical conditions

Projects

Echo AI, Hanover, NH

September 2024 – Present

Founder and Lead Developer

- Founded Echo AI, a speech-focused language learning app; built ASR, TTS, and personalized NLP feedback systems from the ground up, growing to 100+ active users across multiple countries.
- Raised \$5,000 in grants to fund product development; designed scalable architecture with potential for expansion across multiple language markets.
- Live app [here](#) and repo [here](#). More about the project here: <https://www.josuegodeme.com/projects/orphi>

Dartmouth Stamps Scholars Program, Hanover, NH

June 2024– Present

Selected Student Researcher

- Built first-ever NMT, ASR, and TTS systems for Adja, an extremely low-resource language; achieved BLEU score of 22 on translation - outperforming OpenAI and Google baselines on this language pair
- Led creation of first digital corpus of 10,000 French-Adja sentence pairs with 10+ local translators; applied transfer learning and few-shot techniques to bootstrap models from near-zero data.
- Published findings at LREC 2026 (accepted – first author); secured \$10,000 Davis Peace Project grant and Stamps Foundation funding to continue development.

Publications

- Godeme, J., et al. (2025). *Artificial Allies: Validation of Synthetic Text for Peer Support Tools through Data Augmentation in NLP Model Development*. *Proceedings of the Pacific Symposium on Biocomputing*, Hawaii, USA.
- Godeme, J., et al. (2025). *Adja-French Parallel Corpus: A New Resource for Machine Translation of a West African Under-Resourced Language*

Additional Skills & Interests

Languages: French, Chinese, Adja

Skills: Python, Finetuning Models, Speech ML, Building from 0-1,

Interests: NLP and Applied Machine Learning (Healthcare and Education Focus), Drones, Entrepreneurship