

# BRIAN DE OLIVEIRA

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## EDUCATION

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### CORNELL UNIVERSITY, COLLEGE OF ARTS AND SCIENCES

*Bachelor of Science in Cognitive Science, minors in Computer Science and Data Science*

ITHACA, NY

May 2026

## COURSEWORK

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Machine Learning • Deep Learning • Data Science • Statistics & Research Design • Analysis of Algorithms

• Patterns, Proofs, and Problems • Computational Psychology • Minds and Machines • Financial Accounting

## RESEARCH

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### CORNELL FUTURE OF LEARNING LAB (CHITTERCHATTER)

ITHACA, NY

*Research Assistant, Human–AI Interaction*

November 2025–Present

- Designing and executing a qualitative research sprint analyzing student–AI speaking interactions to identify context-dependent conversational misalignments between chatbot behavior and learner intent
- Translating qualitative findings into actionable design implications, balancing priorities such as interactional authenticity and educator control through OpenAI API prompting and educator-facing interface decisions

## EXPERIENCE

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### ORBIT

ITHACA, NY

*Co-Founder & Product Lead*

August 2025–Present

- Conducting early user research with 50+ Cornell students to validate assumptions around social media at Cornell, cycling between interviews and prototype revisions to converge on Orbit's initial feature set
- Building iOS frontend from Figma demos based on 3 core interview-driven features: location-anchored posts, audience scoping, and low-friction posting, refined weekly through user tests and co-founder reviews
- Collaborating with the backend lead to integrate authentication, database models, and geospatial queries with FastAPI/Postgres/Docker, enabling posts to be anchored to named building locations in Ithaca, NY

### SILENT STORM FOUNDATION

BOSTON, MA

*Co-Founder*

December 2024–June 2025

- Launched a nonprofit connecting veterans to plant-based therapeutic programs and integration counseling; supported 15 individuals through pilot program, designing structured feedback loops and testimonial capture
- Secured \$16K+ in funding through pitch competitions and scholarships by developing a data-informed business plan, informed by conversations with 80+ veterans and coordination with legal and operations teams to formalize program agreements

## PROJECTS

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- **Spare Me! (Spring 2025):** Shipped a Chrome extension with JavaScript/HTML for 10 active users that used the Chrome API to override copy-paste and queue user inputted data, automating repetitive form-filling
- **Handwriting Classifier (Fall 2025):** Trained a Convolutional Neural Network on MNIST dataset to classify handwritten digits, improving accuracy through preprocessing experiments and hyperparameter tuning

## TECHNICAL SKILLS

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- **Languages:** JavaScript, Swift, Python, SQL, HTML/CSS
- **Frameworks & Libraries:** SwiftUI, React, FastAPI
- **Tools & Databases:** Git & GitHub, Mixpanel, Docker