

Logan Scott

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Computer Science undergraduate at the University of Florida. Lead Developer at the Virtual Learning Lab and undergraduate researcher in AI-driven reading assessment.

EDUCATION

University of Florida, B.S. Computer Science, Minor in Statistics

Expected Spring 2028

Gainesville, FL

- Selected coursework: Data Structures and Algorithms, Operating Systems, Information and Database Systems, Software Engineering, Computer Organization, Computational Linear Algebra, Engineering Statistics.

EXPERIENCE

Lead Developer

May 2026 - Present

The Virtual Learning Lab, University of Florida

- Direct technical architecture across 9 research projects and ~30 team members building Storiza, an AI-powered digital literacy platform.
- Architect and maintain full-stack systems in React, Firebase, and Google App Engine serving elementary-age users in production, including NLP, speech recognition, and generative AI pipelines for automated reading assessment, real-time pronunciation feedback, and multi-story narrative systems.

Research Assistant

Jan 2025 - Present

The Virtual Learning Lab, University of Florida

- Own the research-to-production lifecycle, translating findings in self-regulated learning and AI-driven education into deployed, student-facing features.
- Served as Scrum Master for two research teams, leading sprint planning and coordination between developers, designers, and stakeholders.

RESEARCH

Project MAZE: Automated Generation and Scoring of Reading Comprehension Assessments

Sept 2025 - Present

Faculty mentor: Dr. Walter L. Leite | SHDOSE, College of Education, University of Florida

- Co-developed four versions of an automated MAZE comprehension test using three novel LLM-based distractor-generation methods plus a dictionary-based control, deployed inside a production reading application.
- Developing scoring models that normalize for word complexity and item difficulty, and running the reliability and validity analyses (alternate-form reliability, internal consistency, correlations with established measures).

PUBLICATIONS & PRESENTATIONS

- Co-author, "Automated Generation and Scoring of Maze Reading Comprehension Assessments." Accepted through peer review for presentation at the NCME Artificial Intelligence in Measurement and Education Conference (AIME-Con), October 5-7, 2026, Pittsburgh, PA. Manuscript in preparation for Computers & Education.

PROJECTS

Online Cluster Mapping

Sept 2025 - Present

Independent project

- Web-scraped and cross-referenced millions of posts and interactions into a SQLite database for structured analysis.
- Generated cluster graphs to identify interest groups and detect behavior patterns, then performed semantic analysis on the clusters for community analysis, bot detection, and market research.

HONORS & AWARDS

- AI Scholar, UF AI² Center (Apr 2026). One of 50 undergraduates selected university-wide for a stipend-funded, year-long AI research program.
- University Scholars Program, UF College of Education (2026-2027). Stipend-funded undergraduate research award.
- University Research Scholars Program, UF Center for Undergraduate Research (May 2024). Invitation-only, top 2% of incoming students, \$2,000 scholarship.

SKILLS

- Languages & tools: Python, JavaScript, Java, C, SQL, HTML/CSS, React, Firebase, Google App Engine, SQLite, REST APIs.
- ML & NLP: LLM pipelines, prompt design and evaluation, automatic speech recognition (Azure Speech), semantic clustering, applied statistics and psychometrics; agile and Scrum leadership.