

Graduate Assistant (GA) Position Announcement

AI in Education & Learning Analytics: Improving Student Success at UH Mānoa

Position Title: Graduate Assistant (GA) – AI Technology Integration & Learning Analytics

FTE: 0.50 FTE (20 hours/week)

Institution: University of Hawai'i at Mānoa (UH Mānoa)

Department / Project: Educational AI & Student Success Initiative (Alu Tutoring Project)

Location: Honolulu, HI (Hybrid / On-Campus)

Duration: Academic Year (Fall + Possible Extension to Spring)

Project Overview

The University of Hawai'i at Mānoa is launching a targeted initiative aimed at significantly improving student retention and learning outcomes in gateway courses with high drop, withdraw, and fail (DFW) rates (such as introductory STEM courses).

To support students and instructors in these high-challenge courses, we are deploying a combination of technology (AI, agentic methods) and educational methods. We are seeking motivated Graduate Assistants (GAs) with strong technical and analytical backgrounds for this project.

Qualifications

Minimum / Required Qualifications:

- Currently enrolled (or accepted) as a full-time Graduate Student at UH Mānoa in Computer Science, Data Science, Electrical/Computer Engineering, Educational Technology, Learning Design, Mathematics, or a related quantitative field.
- **Technical Skills:**
 - Strong programming proficiency in **Python** (data processing, web frameworks like FastAPI) and **JavaScript/TypeScript** (React or Next.js).
 - Experience with data analysis libraries (**Pandas**, **NumPy**, **SciPy**) and database querying (**SQL**).
- Demonstrated interest or background in **Educational Technology**, **Learning Analytics**, or **AI applications in Education**.

- Strong analytical skills with the ability to define, measure, and evaluate key metrics (e.g., course pass rates, engagement metrics).
- Excellent written and verbal communication skills for cross-disciplinary collaboration with non-technical faculty.

Preferred Qualifications:

- Experience with **Generative AI, Large Language Models (LLMs), Retrieval-Augmented Generation (RAG)** architectures, and vector databases (`pgvector`).
 - Familiarity with statistical research methodology, A/B testing, or quasi-experimental study designs in educational settings.
 - Experience with Learning Management Systems (LMS) such as Canvas or Laulima (Sakai).
 - Experience with telemetry, dashboarding, or cloud infrastructure (Google Cloud Platform / Cloud Run / Docker).
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Compensation & Benefits

- **Stipend:** Monthly stipend compliant with standard UH Mānoa Graduate Assistant pay scales
 - **Tuition Exemption:** Full tuition waiver for eligible graduate coursework per University of Hawai'i policies.
 - **Health Benefits:** Eligible for UH student health insurance benefits.
 - **Professional Growth:** Direct experience applying cutting-edge AI and data analytics to solve critical real-world challenges in higher education, with opportunities for academic publication.
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Application Instructions

To apply, please submit the following materials:

1. **Cover Letter** addressing:
 - Your technical background and software/data experience.
 - Your interest in educational AI and strategies for improving pass rates in high-DFW courses.
2. **Current Resume / CV.**
3. **Graduate / Undergraduate Transcripts** (unofficial copies acceptable for initial application).
4. **Contact Information for 2 Professional or Academic References.**

This is a continuous recruitment process, applications will be evaluated as they come in.

Submission Email: nrtadmin@hawaii.edu

Application Deadline: Aug 21, 2026

Target Start Date: Sep 1, 2026