**Undergraduate Research Fellowship Application – Word template to draft the main sections.**

Deadline: February 15

\*Engineering students only—must submit a brief email of intent to Apply for the Fellowship by December 16th to [auad@auburn.edu](mailto:auad@auburn.edu)

The email must indicate the student name, faculty mentor, department of the student, department of the faculty mentor, a tentative title for the project,  and tentative duration of the project. If you did not submit an email to intent, you can explain at the end of this form.

NOTE: We strongly encourage you to prepare a draft application with your information before you begin the online submission process. *Use this template to prepare your application by completing the sections below.*

**Section 1. Student Information.**

**Name, School or College, Auburn Banner ID, Preferred Phone**

* Logan Bolton
* 904104291
* Samuel Ginn College of Engineering
* (334) 547-0363

**Street address, City, State, Zip Code**

* 100 Hunters Glen Rd
* Dothan, AL 36303

**`Length of fellowship for which you wish to be considered (One year-long, 2 semesters, 1 semester, summer only)**

* 1 Semester

**In which semester would you like to begin your fellowship? (Fall, Spring, Summer)**

* Fall 2025

**Research Project Tentative Title:**

* *Improving the Visual Understanding and Reasoning of Multimodal Language Models*

**Describe your research question and research plan. This research plan should be discussed with your mentor   
(max. 500 words)**

Multimodal language models like ChatGPT and Gemini have shown extraordinary ability to understand the visual world. However, at the same time, my own research has shown that n

**Section 2. Academic Information**

**Present status (Freshman, sophomore, junior, Senior)**

* Senior

**Anticipated Degree**

* Computer Science

**Anticipated Date of Graduation**

* Spring 2026

**Major**

* Computer Science

**Cumulative GPA**

* 3.75

**GPA in Major**

* 3.86

**How many semesters have you been enrolled at Auburn University**

* 7

**Briefly state your career goals and how this fellowship would contribute to these goals (max. 125 words)**

**List honors, awards, and activities that are directly pertinent to your academic achievements or research   
(max. 100 words)**

While working for Dr. Nguyen as an undergraduate researcher, I co-authored a paper on multimodal LLMs like ChatGPT that has received over 40 citations from other researchers while also being covered by multiple news outlets like TechCrunch and Ars Technica. Additionally, I have recently co-authored a paper that discusses how allowing LLMs to highlight parts of their own answers can improve factual accuracy while improving the user experience of interacting with these models. I have also recently begun working as an AI lab assistant for the Auburn Biomechanics lab on a DoD funded deep learning project studying canine movement.

**Who is your mentor? (First Name and Last Name of your faculty Mentor)**

Anh Totti Nguyen

**Section 3 – for engineering students**

If you did NOT submit an Email of Intent previously, please explain below.

I submitted an Email of Intent for this project in the past.