

# Alysa Gem Samaniego

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## EDUCATION

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**University of Illinois in Urbana-Champaign**, Urbana, IL

Expected: Dec 2024

Computer Science + Astronomy

**Relevant Coursework:** Discrete Structures, Intro to Computer Science

## PROFESSIONAL EXPERIENCE

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**PrairieLearn**, Champaign, IL

September 2022 - Present

*Open-Source Student Developer*

- Resolving bugs in University of Illinois' exam platform, used by over thousands of undergraduates
- Collaborating with a dozen remote developers to develop and improve disability accessibility features

**NASA Proposal Writing and Evaluation Experience LSPACE Program**, remote

June 2022 – August 2022

*Science Team Lead, Overseer of scientific research for NASA technology proposal*

- Participated on a panel of 12 people to critique proposal drafts
- Researched and compiled literature on state-of-the-art quantum sensing chips
- Developed financial budget and Gantt chart for the team technology proposal submitted to NASA

## PROJECTS

**IllinoisMap:** angular.js, node.js, Google Maps API, HTML/CSS

February 2022 – April 2022

<https://github.com/Dhruvmehta5402/Team-Gears>

*Front-end/back-end co-developer: Designed landing page and provided functionality using node.js*

Map application that allows students to publicly upload local student-run events onto Google Maps interface

- Implemented Google Maps API to provide interactive map for users
- Designed landing, functional buttons, and map with HTML/CSS
- Presented project to over 200 students at UIUC's Engineering Open House

**Luminosity:** Figma, HTML/CSS, Notion API, Panda web scraping library

October 2021

<https://github.com/eeshabarua/gears.git>

*Front-end co-developer: Team's primary designer responsible for UI/UX and database functions*

Provides information about Urbana-Champaign non-profits with user-friendly UI

- Converted web-scraped data into HTML files
- Stored data into Notion database and synced front-end webpage to database

## LEADERSHIP & ACTIVITIES

**Association for Computing Machinery @ UIUC (ACM@UIUC)**

May 2022 – Present

*Community Lead, works in collaboration with Social Committee Presidents' of UIUC chapter*

- Aids in organizing event logistics and supply purchases events with attendees of over 200 people
- Hosts events for UIUC's 400+ undergraduate ACM members

## SKILLS

**Computer:** C++, Git, Java, Kotlin, HTML/CSS, Node.js, Python (Novice)