

# Lucy Manalang

Computer Science Undergraduate at Macalester College

Updated September 17th,  
2024

## EXPERIENCE

### Macalester College, *Lead Teacher's Assistant*

January 2024 - Present

- I manage 5 other Teacher's Assistants for *Data Structures*
  - I schedule meetings and grading times
  - I train incoming Teacher's Assistants
- I hold office hours 6 hours a week
- I grade student's projects through GitHub pull requests
- I have provided improvements to homework assignments when needed

### Macalester College, *Resident Assistant*

August 2024 - Present

- I mentor and advise over 40 first-year students
- I enforce policy and ensure the safety of my residents
- I have created a welcoming community within my assigned dorm
- I organize and host events

## EDUCATION

### Macalester College, St. Paul, MN

August 2023 - Present, Graduate in May 2027

- Second-year with a GPA of 3.81

#### *Computer Science Major:*

- Passionate interest in Computer Science, AI, and coding
- Experience in Data Structures, Algorithm Design, and Natural Language Processing

#### *Studio Arts Minor:*

- I always ensure my work is visually appealing and has met all standards
- I always work towards perfection
- Experience in design for practical use and visual appeal

## SKILLS

Front-End Development

Back-End Development

GitHub pull requests

Code testing and reviewing

Mentorship

Leadership

Customer Service

## AWARDS

Macalester Dean's List

Fall 2023

Lealtad Merit Scholarship

4-year merit scholarship

offered by Macalester

College

## LANGUAGES

English, Spanish

Java, React, CSS/Tailwind,

HTML, Python, JavaScript,

Go, C++

## PROJECTS

### Personalized Website

- I created my own personalized portfolio website using React
- Viewable at <https://lucymanalang.vercel.app/>

### Sudoku Solvers

- I created 3 different Sudoku solvers using 3 different algorithms

### Gesture Recognizer using Machine Learning

- I wrote a program that uses machine learning to recognize simple gestures drawn on a canvas

### Upgraded UI for Google Services

- I wrote a Chrome extension to revamp the UI for Google services to make them more:
  - Visually appealing
  - Geometrically consistent
  - Easy to use
- Works with:
  - Gmail
  - Google Docs
  - Google Slides
  - Google Sheets
  - Google Drive

### Boggle Game with Solver

- I worked with a team of two other people to recreate the board game *Boggle*
- Developed a large portion of the back end, including:
  - An algorithm that solves each unique board
  - File management classes
  - The game itself