Lucy Manalang

Computer Science Undergraduate at Macalester College

EXPERIENCE

Macalester College, *Lead Teacher's Assistant*

January 2024 - Present

- I manage 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
- I have provided improvements to homework assignments when needed

Macalester College, *Resident Advisor*

Beginning August 2024

- I will create a welcoming community within my assigned dorm
- I will mentor and advise first-year students
- I will 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

GitHub pull requests

Code styling

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++

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