GRACE WANG

graceannwang.github.io | graceannwang@uchicago.edu | (385) 272 – 6333

EDUCATION

THE UNIVERSITY OF CHICAGO Chicago, IL
Bachelor of Science in Computer Science, Bachelor of Arts in Statistics Expected June 2024
Cumulative GPA: 3.63/4.00
Relevant Coursework: Data Structures & Algorithms, Discrete Mathematics, Computer Architecture, Introduction to Computer Systems, Mathematics for Machine Learning

TECHNICAL SKILLS

Languages: Proficient in Python, C; Familiar with Java, JavaScript, HTML/CSS
Tools: Linux CLI, Git

TECHNICAL EXPERIENCE / PROJECTS

Chicago Human+AI Lab, University of Chicago Chicago, IL
Research Assistant August 2022 – Present

- Collected a dataset of 238 State of the Union addresses and 62 presidential inaugural addresses by implementing a web scraper using **Python, Requests,** and **BeautifulSoup**
- Preprocess and tokenize over 300 **JSON** files using **spaCy**'s sentencizer pipeline component
- Analyze the dataset across 46 presidencies using natural language processing tools such as **VADER** and **RoBERTa**

Data Science Institute Summer Lab, University of Chicago Chicago, IL
Research Assistant June 2022 – September 2022

- Collected a dataset of content moderation policies across 46 different internet platforms by implementing a web scraper using **Python, BeautifulSoup**, and **Selenium**
- Performed qualitative analysis of content moderation policies which resulted in a research poster and 5 minute video presentation at the Summer Lab's research symposium

Modern Microprocessor Simulator September 2021 – December 2021

- Programmed a simulation of a microprocessor in **C** based on the ARM instruction set, enabling the microprocessor to decode and process 30 types of ARM instructions for a computer architecture course
- Implemented pipelining and branch prediction features which boosted instruction throughput by a factor of at least 5

Tweak My Title, MLH Snakes and Hackers Hackathon January 2021 – February 2021

- Built a fantasy name/title synonym generator over the course of 48 hours in **HTML, CSS**, and **JavaScript**
- Used Merriam-Webster's **API** to fetch synonyms for user-inputted words which were then randomly selected for display

High School Involvement Program, Northrop Grumman Salt Lake City, UT
Engineering Intern August 2018 – June 2020

- Assembled robots using LEGO components and programmed them in **Java** to complete navigational and combative tasks such as sensing boundaries, carrying and transporting objects, and battling other robots
- Engineered and presented a face recognition lock box using a **Python** library, electromagnetic lock, and raspberry pi

LEADERSHIP/ACTIVITIES

C-Thru.ai, UChicago Booth School of Business Global New Venture Challenge Chicago, I
Web Designer March 2022 – Present

- Designed the pilot website presented to startup investors during the 2022 UChicago Booth Global New Venture Challenge, where the team was awarded a 1st place prize of $50,000
- Lead the design and construction of the marketing website using **Figma** and **Webflow**