GRACE WANG

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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: Algorithms, Computer Architecture, Introduction to Computer Systems, Discrete Mathematics

TECHNICAL SKILLS

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

TECHNICAL EXPERIENCE / PROJECTS

CHAI Lab, University of Chicago Chicago, IL
Research Assistant August 2022 – Present

- Implemented a web scraper using **Requests**, **BeautifulSoup**, and **Python** which scraped all 238 State of the Union addresses and all 62 inaugural addresses from The American Presidency Project
- Analyze divisive rhetoric from these documents using **Scrapy**, **VADER**, and **RoBERTa**

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

- Automate the collection of a **JSON**-formatted policy dataset using **Python, BeautifulSoup**, and **Selenium**
- Performed qualitative analysis of content moderation policies regarding Copyright, Misinformation, and Hate Speech on social media platforms
- Expressed results and findings in a final poster and 5 minute video presentation at a final research symposium

C-Thru.ai Chicago, IL
Web Designer March 2022 – Present

- Lead the design and construction of the marketing website using **Figma** and **Webflow**
- Designed the pilot website linked to by 2 Polsky Center pages, which received 210 unique visits within 30 days
- Conceptualized and voiced a 2.5 minute **Doodly** video posted on the website which outlined the purpose of the startup
- Helped the founders compete and win the UChicago Polsky Center's 2022 Global New Venture Challenge, which received a 1st place prize of $50,000

Modern Microprocessor Simulator September 2021 – December 2021

- Used **C** language to program a virtual microprocessor based on the ARM instruction set, enabling the microprocessor to decode and process 30 types of ARM instructions
- 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 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