MANDY LA

Links:
https://www.linkedin.com/in/mandyla808
https://mandyla808.github.io

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Education

Bachelor of Science in Computer Science, Bachelor of Science in Mathematics   **GPA – 3.7**
University of Chicago   Expected Graduation June 2021
- Relevant Coursework: Computer Architecture, Theory of Algorithms, Abstract Linear Algebra, Functional Programming

Skills: ● Python   ● C   ● HTML   ● CSS   ● Racket   ● Elm   ○ Google Suite   ○ Microsoft Office   ○ Salesforce

Research

CS Research Intern   **March 2020 – Present**
Large-Scale Systems Group led by Professor Andrew Chien   Chicago, IL
- Collaborate with Cerebras Systems and Argonne National Lab to study the unique architecture of the CS-1 chip
- Quickly learn new assembly-level languages specifically created for the CS-1
- Benchmark the CS-1 and write programs that explore new applications involving irregular graph structures

Undergraduate Research Program   **Summer 2019**
UChicago Math Department   Chicago, IL
- Wrote a 10-page paper on the Poincaré-Hopf Theorem and it's applications to n-dimensional spheres
- Independently studied *Topology from a Differential Viewpoint* by John W. Milnor

Experience

Web Development Intern   **Summer 2020**
Code Your Dreams   Chicago, IL
- Design and wireframe a to-do list app for Slack to promote team productivity and interconnectedness
- Build and test the Slack app using Python and Slack's APIs
- Reimagine and construct the organization website using Squarespace

Program Assistant   **Summer 2019**
Japanese Community Youth Council   San Francisco, CA
- Inputted information into Salesforce and Contract Management Systems for thousands of clients
- Coordinated events with a team for over 150 interns and mentors involving catering, photo booths, and games
- Designed flyers and wrote a monthly newsletter to promote programs to youth and parents

Data Analytics Intern   **Summer 2018**
LifeMoves   Menlo Park, CA
- Analyzed fundraising results and donation trends using Excel and the Raiser's Edge database
- Determined significant factors in large and repeat donations to advise fundraising tactics for the next year
- Wrote a fiscal year fundraising report and presented it in PowerPoint format to the fundraising team

Course Assistant   **October 2018 – March 2020**
UChicago Math Department   Chicago, IL
- Explain high-level math concepts in a clear, concise way to freshman students
- Grade weekly assignments for 35 students in a calculus class in a fair manner and provide detailed feedback
- Assess areas of difficulty for students and communicate them to the course instructor

Projects & Activities

https://mandyla808.github.io - Personal Website   **May 2020 – Present**
- Independently studied HTML & CSS to design, create, and maintain my personal website

Pictionary Game - Functional Programming Class Project   **Spring 2020**
- Coded an online game of Pictionary that connects players via an online database (Firebase)
- Implemented a complex "tracer" mechanism that listens to mouse events and allows users to draw smoothly in real-time

Vice President - UChicago Student Alumni Committee   **October 2017 – Present**
- Manage a diverse team to coordinate campus-wide events for over 1,000 students and alumni