

# MINGLI ZHANG

## SOFTWARE ENGINEER

### PROFESSIONAL SUMMARY

I am a Junior student at UNC-Chapel Hill majoring in Computer Science and Mathematics. I am a dynamic and creative programmer seeking an internship to provide my skills to software development.

### PROGRAMMING SKILLS

#### Frontend Tech Stack    Backend Tech Stack

- |          |              |
|----------|--------------|
| - HTML   | - Express.js |
| - CSS    | - Node.js    |
| - JQuery | - SQLite     |
| - React  | - MongoDB    |

#### Others

- |          |              |
|----------|--------------|
| - Mips   | - C          |
| - Matlab | - Java       |
| - Python | - TypeScript |

### CORE CLASSES TAKEN

- Data Structures
- Computer Organization
- Models of Languages and Computation
- Algorithms and Analysis
- Mathematics for Image Computing
- Introduction to Machine Learning
- Files and Databases
- Modern Web Programming
- Advanced Calculus
- Numerical Analysis

### CONTACT INFO:

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### ACADEMIC EDUCATION

#### University of North Carolina at Chapel Hill

*Bachelor of Science in Computer Science and Mathematics*

- Class of 2022
- Dean's List from 2018 to 2020
- GPA: 3.913

#### William G. Enloe Magnet High School

*Class Rank: 41/542, Class of 2014*

- Weighted GPA: 5.24
- Unweighted GPA: 3.92

### EMPLOYMENT BACKGROUND

#### Learning Assistant

*University of North Carolina at Chapel Hill | Jan 2020 - May 2020*

- Made homework and quizzes every week for the whole semester.
- Held a lab session once a week with four other learning assistants. Includes giving lectures to a class of fifty students and invigilate them taking the quiz.
- Held office hours three to four times a week and one to three hours each time. Helped at least three students each time.

#### UI/UX Design

*Lenovo, Beijing, China | Jul 2017 - Aug 2017*

- Used MockingBot to design Lenovo's b-to-b web store. Worked on this project for two weeks with three other people and took another few weeks to modify it based on feedback.
- Attended meetings with marketing and human resources department to discuss the resources needed for the project.

### MAJOR PROJECTS

#### Social Web App [\[link\]](#) [\[Github1\]](#) [\[Github2\]](#)

2020 Fall Semester

- The whole app is created with three other classmates from scratch using *Javascript*, *HTML*, *CSS*, and, a *REST API* for the *Firebase backend*.
- I created the whole backend and the login/sign up function. I also worked on tuning the design of the website.
- Functionalities including: a user-matching system, a live chat, an anonymous post box, and a quiz game.

#### Fake or Real News Detection [\[Github\]](#)

2020 Fall Semester

- Project and all data needed is found on kaggle.
- Worked with three other teammates.
- Used pythons build in library to implement logistic regression, Naive Bays, Support Vector Machine, and Bi-directional LSTM. We compared their accuracy after training the model.

#### How to Get Away From Covid 19 [\[Github\]](#)

2020 Fall Semester

- Attended Hackathon and created this web app with three others in 24 hours that have a 2048-like game, and a physical component.
- Worked on the 2048-like game with another team member and am also in charge of most of the styles of each page.
- Won the best physical product award.