

# Yueyi Gao

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## EDUCATION

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### University of Illinois at Urbana-Champaign

Champaign, IL

*Master of Computer Science*

*August 2021 – December 2022*

- Cumulative GPA: 3.78/4
- Relevant Coursework: Artificial Intelligence, Computational Photography, Information Retrieval, Bioinformatics, Deep Learning for Healthcare, Computer Vision, Game Development

### Auburn University

Auburn, AL

*Bachelor of Computer Science, Minor in Mathematics*

*January 2017 – December 2020*

- Cumulative GPA: 3.99/4
- Relevant Coursework: Data Structures and Algorithms, Operating System, Computer Network, Software Process, Data Mining, Deep Learning, Probability and Statistics, Data Compression, Cryptography
- Honor: Dean's List 2017 – 2020

## EXPERIENCE

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### Website Programmer

March 2021 - April 2021

*Easyfind Co.*

- Used Figma to design user interface of company's websites
- Used WordPress and edited its HTML to implement the websites
- Updated and maintained the websites

## PROJECTS

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### Early Detection of Depression

March 2022 – May 2022

- Cleaned up the data and extracted the useful information from social media text
- Counted the frequent word separately from negative cases and positive cases and mapped word clouds
- Trained and compared some predictive models (e.g. logistic regression, CNN, LSTM, CNN+LSTM) to achieve an optimal prediction model with 72% accuracy

### Pneumonia Detection Model

March 2020 – April 2020

- Developed a model to detect pneumonia based on X-ray images
- Trained a 4-layer convolutional neural network using over 5,000 frontal view Chest X-ray images
- Visualized model loss and accuracy using NumPy
- Implemented the detection model to normal pneumonia images and COVID-19 images

### Store Management System

September 2019 – December 2019

- Developed a store management system for multi-user using Java
- Analyzed, designed and modeled with UML
- Implemented database with SQLite

### BookReview Website

July 2019 – August 2019

- Developed a full-stack web application project that allows users to sign up and login to create, read, update, rate, and delete book information
- Implemented the back-end using Node.js, Express framework, and MongoDB as the database
- Implemented the responsive front-end using Bootstrap4 and EJS templates with HTML and CSS
- Implemented user authentication and authorization system using Passport.js middleware

## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, x86 assembly, HTML, CSS, JavaScript, SQL

**Frameworks:** Node.js, Express, JUnit, WordPress, Bootstrap

**Developer Tools:** Git, Visual Studio, Sublime Text, Anaconda, IntelliJ, Eclipse, Unreal Engine

## ADDITIONAL INFORMATION

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**Languages:** Chinese(native), English

**Membership:** Society of Women Engineers