

Yue Zhang

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OBJECTIVES

Seeking for position in Artificial Intelligence or Computer System that integrate Data-Driven Techniques from cross disciplinary domains. I have worked for Biological and Medical, Therapeutic, and Vision/Deep-Learning applications and softwares

EDUCATION

The Ohio State University

Columbus, Ohio

2017.8 – 2020.12

- *Bachelor of Science in Computer Science Engineering with Honor Research Distinction*
- Honor: Women in Computer Science Scholarship, Undergraduate research Scholarship, Dean's List for all semesters.
- Current GPA: 3.917 (4.00 scale)
- Vice President at CIS/CSE Peer Mentors club, Peer Mentor at CSE department
- HackOHI/O Hackathon organizer, Volunteer at Engineering Exposition, Volunteer at Mock Career Fair

SKILLS

- **Technologies:** Java, Python, Ruby on Rails, C#, HTML, CSS, JavaScript, C/C++, MATLAB, PHP, MySQL, PyTorch, TensorFlow, Angular JS, React, Django, Android Studio, Unity3D, Docker, Git, Linux.

PROFESSIONAL EXPERIENCE

Department of Biomedical Informatics (BMI)

2020.2 - present

Undergraduate Research Assistant

- Compare several deep learning models (Inception-v3, ResNet, etc) accuracy and complexity on glaucoma detection
- Create a new deep learning model based on model architecture and comparison results.
- Yue Zhang and Xiaoyi Raymond Gao (advisor), "Glaucoma Detection on Cardiovascular Patients via Ensemble Deep Learning". In submission to AMIA2021 Virtual Informatics Summit.

Department of Computer Science and Engineering (CSE)

2019.9 - present

Undergraduate Research Assistant

- Compare energy consumption of different deep learning models on edge devices
- Design configuration management tool for Machine Learning software updates deployed at the edge service
- **Publication:** Yue Zhang and Christopher Stewart (advisor), "Poster: Configuration Management for Internet Services at the Edge: A Data-Driven Approach". Accepted by The Fifth ACM/IEEE Symposium on Edge Computing (SEC).
- Yue Zhang and Christopher Stewart (advisor), "Configuration Management at the Edge Services". In submission to IFIP/IEEE International Symposium on Integrated Network Management 2021.

Undergraduate Teaching Assistant

2019.1 - present

- CSE 5236: Mobile Application Development
- CSE 2421: System I: Introduction to Low-Level Programming and Computer Organization
- CSE 2331: Foundation II: Data Structures and Algorithms
- CSE 1223: Introduction to Computer Programming in Java

WORK EXPERIENCE

Block Eleven LLC

Columbus, Ohio

Software Developer Intern

2020.5 – 2020.8

- Designed and developed bitcoin exchange app in Java
- Built functionalities including bitcoins transaction, user searching, active user list, account information, login/signup etc.
- Developed back-end database management, functionalities, and front-end user interface.

School of Communication at The Ohio State University

Columbus, Ohio

Student Web Developer

2019.8 – 2019.12

- Developed a website with different categories of readings with Angular JS framework and PHP
- Used MySQL to develop and maintain lab database.

Speech and Hearing Science Department at The Ohio State University

Columbus, Ohio

Student Software Developer

2019.1 – 2019.12

- Used the Unity platform and C# to develop a rhythm training application for chronic aphasia patients
- Combined computer science technology with neuroscience to provide speech recovery following rhythm-based therapy.

PROJECTS

Game Recommender Website

- Used React and Django to develop a Game Recommender Website with IBM Discovery and Twitch Developers
- Built functions including game keyword searching, automatic recommending based on searching history and game tag, etc.

Expiration Date Tracker

- Used Java and Android Studio to develop an Expiration Date Tracking mobile app.
- Built functionalities including product listing and modification (add, edit, delete), category listing and modification, user information checking, expiration date notification on calendar, barcode scanning for product adding, login/signup, etc.

Book Exchange Website

- Used Ruby on Rails to create a book exchange website for OSU students with school email to login.
- Built functionalities including book filtered searching, book selling, sorting based on conditions and prices, login/signup, personal pages, client/admin views, user protection, etc.