

Yiyang Qiu

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EDUCATION BACKGROUND

- The Ohio State University (OSU)** Aug 2018 – Expected May 2022 **Columbus, OH**
- Major: Bachelor of Science in Computer and Information Science
 - Honors: Ohio State Fund Scholarship (Aug 2020)
Dean's List (Spring 2020, Autumn 2020, Spring 2021)
 - Core Courses: Software Development and Design, Software Techniques, Software Requirements Analysis, Data Structures and Algorithms, Operating Systems, Internet Architecture, Linear Algebra, Probability and Statistics
- New York University (NYU)** Aug 2022 – Expected May 2024 **Brooklyn, NY**
- Major: Master of Science in Computer Engineering

RESEARCH EXPERIENCE

- Customer Service Representative Call Analysis** **Columbus, OH**
Advisor: Prof. Ramnath, Rajiv, The Ohio State University Aug 2021– Dec 2021
- Built and improved a model to automatic transcribe voice to text; rated customer service representative performance and visualized the result by machine learning, data analysis, and **Python**
 - Cooperated with OSU research group and Safe Auto Insurance Company staff, and managed work process by Trello
 - Performed massive literature review and broaden knowledge in algorithms and optimization

INTERNSHIP EXPERIENCE

- Fuzhou System Technology Co., Ltd.** **Fuzhou, China**
Software Developer Intern Jul 2019 – Aug 2019
- Implemented various practical programming tasks with **Java** and **C++**, mainly in decryption and code optimization
 - Practiced a great deal of algorithms, got familiarized with different operating systems and language configuration
 - Attained knowledge in company products intelligent lock & parking project, enhanced interpersonal skills

COURSE PROJECTS

- Building mobile app in a group | Team Project of CSE 5236** Jan 2022 – Apr 2022
- Using android studio to build android mobile game, which used database to store user account, in-game ranks, etc. We also use the mobile location service and pedometer in phone to finish the virtual map.
 - Using defaulted hardwares to optimize users' experience, screen rotation and multiple languages patch notes, etc.
- Use and design of programming language | Individual Project of CSE 3341** Jan 2022 – Apr 2022
- formal languages and grammars, recursive descent parsing; data types, expressions, control structures
 - parameter passing; compilers and interpreters; memory management; functional programming principles
- Use of TCP and UDP | Individual Project of CSE 3461** Jun 2021 – Jul 2021
- Deepen the understanding of TCP and UDP by **C programming language** and Linux virtual machine
 - Created socket and connection between client and server, coded solutions when message transmission failed
- HeyTea's Analysis and Process Improvements | Team Project of CSE 3231** May 2021 – Jul 2021
- Proposed a business plan to increase HeyTea's store numbers and designed a novel online ordering system
 - Performed business and enterprise analysis, structure or agile analysis, requirement analysis, use cases
 - Analyzed and displayed results by spider diagram, UML diagram, and sequence diagram
- Tag Cloud Generator | Individual Project of CSE 2231** Apr 2021
- Extracted words from disordered characters and made into tag cloud by SimpleWriter & SimpleReader API, data structure map, and SortingMachine
 - Designed a realistic component-based application program without original program frame in **Java**
- Computer System architecture** Sep 2020 – Oct 2020
- Building a 2d game by using basics and deeper knowledge of Language C. And usage of Assembly Language
- Glossary | Individual Project of CSE 2221** Nov 2018 – Nov 2019
- Used **Java** to read webpage content alphabetically and output in **HTML** format
 - Solved repetitive words by recursion algorithm; displayed word definition by hyperlink

EXTRACURRICULAR ACTIVITIES

- SL Ohio Union Market** **Columbus, OH**
Student Assistant Oct 2019 – Jan 2021
- Prepared breakfast, lunch, and dinner for students; processed food order; checked food allergy situation
 - Coordinated with student lead and chief to solved problems in Union Market

Activities and Certifications

- Awarded Principles of UI/UX design, React Native certification of Meta on Coursera
- Awarded Version Control certification of Meta on Coursera
- Awarded Introduction to iOS mobile application development certification of Meta on Coursera
- Awarded Programming Fundamentals in Swift, Use of Swift UI certification of Meta on Coursera

SKILLS and SPECIALTIES

Languages: Chinese Mandarin (Native), English (Fluent)

Programming: Java (4yrs), Kotlin, C/C++ (2yrs), SQL (1yr), C# (1yr), Swift (0.5yr), JavaScript (1yr), HTML (1yr), Ruby (0.5yr), Python (0.5yr), React Native