Yue Huang (Alex)

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SUMMARY

Motivated, hard-working Computer Science & Math candidate with data analysis and software development experiences. Actively seeking a summer internship in software engineering and data analysis. Confident with problem-solving and teamwork. Willing to travel and relocate.

EDUCATION

Columbia University   New York, NY
- **M.S. in Computer Science**   September 2021 – May 2023

Washington University in St. Louis   St. Louis, MO
- **B.S. in Computer Science**, Second Major in Math   August 2018 – May 2021
- **GPA**: 3.99/4.00; **Summa Cum Laude**

TECHNICAL SKILLS

Programming Languages
- o   Java, C/C++, HTML/CSS, Python, MATLAB, R, MySQL, PHP, JavaScript, Objective C, Assembly.

Selected Coursework
- o   Theory: Data Structures and Algorithms (Java), (Advanced) Analysis of Algorithms, Theory of Parallel Systems
- o   Software: Mobile Application Development (Swift), Rapid Prototype Development and Creative Programming (Web Apps), Object-Oriented Software Development (C++), Introduction to Systems Software (C & Assembly)
- o   Machine Learning: Introduction to Machine Learning (MATLAB), Introduction to AI (Python)

Recent Projects
- o   *Movie Search App*: An iOS App enabling movie info search in TMDB Database and trailer display.
- o   *Gomoku*: A C++ console App that supports human-to-human and to-computer Gomoku games.
- o   *File-Sharing Site*: A Website enabling users to upload/preview/share files, created with HTML/PHP.

PROFESSIONAL EXPERIENCES

Worldhoists Co., Ltd.   Tianjin, China
Software Development Intern   July 2020 – October 2020
- Programmed Java apps that supplemented the company's Product Lifecycle Management system;
- Managed data with online databases (SQL) & property lists, enabling users to search for relevant information via an interactive dashboard, and exporting data via an Excel form;
- Composed detailed, illustrated user manuals; communicated with the development team.

Washington University in St. Louis   St. Louis, MO
Teaching Assistant   August 2019 – May 2021
- Graded homework and answered student questions on *Piazza*;
- Organized weekly office hours for courses *Data Structures & Algorithms*; *Intro to Machine Learning*.

Washington University in St. Louis   St. Louis, MO
Engineering Tutor   August 2019 – May 2021
- Explained key concepts for courses *Intro to Computer Science*, *Object-Oriented Software Development*;
- Introduced students to Java Debugger, which facilitated independent problem-solving.

Balto Software Inc.   St. Louis, MO
Data Analyst Intern   June 2019 – August 2019
- Optimized *Balto*'s customer success email system, creating new templates for customer emails;
- Helped designing a new interface for the *Balto* Application, improving user experience;
- Analyzed past sales data on Salesforce and *TopOpps*, generating suggestions on future market targeting, leading to a significant increase (10%+) on lead generation;
- Split and transcribed recent customer sales recordings to debug *Balto*'s voice recognition system, achieving increased recognition sensitivity.

LEADERSHIP ROLES

Washington University China Forum   St. Louis, MO
Director of Programming   August 2020 – May 2021

United Schools Model United Nations Conference   Beijing, China
Vice President, Secretariat member   September 2015 – February 2018