

Yue Huang (Alex)

502 W 122nd St, #23A New York, NY 10027

(818) 268-2058 | yue.h@columbia.edu | <https://github.com/alexxyuehuang>

<https://www.linkedin.com/in/yue-alex-huang-5a0286183/> | <http://www.yuehuang.tk>

EDUCATION

Columbia University <i>M.S. in Computer Science</i>	New York, NY May 2023
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Washington University in St. Louis <i>B.S. in Computer Science, Second Major in Math</i> <ul style="list-style-type: none">GPA: 3.99/4.00; Summa Cum Laude	St. Louis, MO May 2021
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WORK EXPERIENCE

Washington University in St. Louis <i>Teaching Assistant</i>	St. Louis, MO Aug 2019 - May 2021
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- Graded weekly homework and answered Java/Python programming questions on Piazza
- Organized weekly office hours for courses Data Structures & Algorithms; Intro to Machine Learning

<i>Engineering Tutor</i>	Aug 2019 - May 2021
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- Explained concepts—pointers, recursions, linkers, etc— for courses Intro to CS, Object-Oriented Software Development
- Introduced Java Debugger, facilitating independent problem-solving

Worldhoists Co., Ltd. <i>Software Development Intern</i>	Tianjin, China Jul 2020 - Oct 2020
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- Programmed Java apps that supplemented Worldhoists' Product Lifecycle Management (PLM) system
- Managed data with online databases (SQL) & property lists, facilitating users to search for relevant information via an interactive dashboard, and exporting data via an Excel form
- Composed detailed, illustrated user manuals on Worldhoists' PLM usage

Balto Software Inc. <i>Data Analyst Intern</i>	St. Louis, MO Jun 2019 - Aug 2019
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- Optimized Balto's customer success email system, creating new templates for weekly customer emails
- Analyzed past sales data on Salesforce and TopOps, generating suggestions on future market targeting, leading to a significant increase (10%+) on lead generation
- Split and transcribed customer sales recordings to debug Balto's voice recognition system, achieving increased recognition sensitivity

TECHNICAL SKILLS

- Programming Languages
- Java, C/C++, HTML/CSS, Python, MATLAB, R, MySQL, PHP, JavaScript, Objective C, Assembly
- Selected Coursework
- Theory: Data Structures and Algorithms (Java), (Advanced) Analysis of Algorithms, Theory of Parallel Systems
- Software: Mobile Application Development (Swift), Rapid Prototype Development and Creative Programming (Web Apps), Object-Oriented Software Development (C++), Introduction to Systems Software (C & Assembly)
- Machine Learning: Introduction to Machine Learning (MATLAB), Introduction to AI (Python)
- Recent Projects
- Movie Search App: An iOS App enabling movie info search in TMDb Database and trailer display
- Gomoku: A C++ console App supporting human-to-human and to-computer Gomoku games
- File-Sharing Site: A Website enabling users to upload/preview/share files, created with HTML/PHP

LEADERSHIP ROLES

Washington University China Forum <i>Director of Programming</i>	St. Louis, MO Aug 2020 - May 2021
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United Schools Model United Nations Conference <i>Vice President, Secretariat member</i>	Beijing, China Sep 2015 - Feb 2018
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