

# Yue Huang (Alex)

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## SUMMARY

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

## EDUCATION

### Washington University in St. Louis

St. Louis, MO

- GPA: 3.98/4.0; Dean's list for Spring and Fall 2019 August 2018 – Present
- Candidate for Bachelor of Science in Computer Science, Second Major in Math, May 2022

### Beijing No.161 High School

Beijing, China

- GPA: 3.98/4.0 September 2015 – June 2018

## TECHNICAL SKILLS

### Programming Languages

- Java, C/C++, HTML/CSS, Python, MATLAB, R, SQL, LaTeX, Tableau, Objective C, Excel.

### Relevant Coursework

- Introduction to Computer Science/Introduction to Computer Engineering (Java & C), Data Structures and Algorithms, Mobile Application Development (Swift), Object-Oriented Software Development (C++), Introduction to Machine Learning (MATLAB), Introduction to AI (Python);
- Honors Mathematics (Calculus, Linear Algebra), Probability & Statistics for Engineering.

### Recent Projects

- *Movie Search App*: An iOS App enabling movie search in TMDb Database and trailer display;
- *Gomoku*: A C++ console App that supports human-to-human and to-computer Gomoku Games;
- *Pacman*: A Python App that recreates Pacman game and utilizes search algorithms to optimize path.

## PROFESSIONAL EXPERIENCES

### Balto Software Inc.

St. Louis, MO

#### Data Analyst Intern

June 2019 – August 2019

- Optimized Balto's customer success email system, creating a new template for customer emails;
- Helped designing a new interface for the Balto Application, ameliorating user experience;
- Analyzed past sales data on Salesforce and *TopOpps*, generating suggestions on future market targeting, leading to significant increase (10%+) on lead generation;
- Split and transcribed recent customer sales recordings to debug Balto's voice recognition system, resulting in increased recognition sensitivity.

### Worldhoists Inc.

Tianjin, China

#### Software Development Intern

July 2020 – September 2020

- Programmed Java apps that supplemented the company's Product Lifecycle Management system;
- Work includes managing data with online databases (SQL) & property lists, enabling users to search for relevant information via an interaction system, and exporting data via an Excel form.

### Washington University in St. Louis

St. Louis, MO

#### Teaching Assistant

August 2019 – Present

- Graded homework and answered student questions on Piazza;
- Answered student questions for courses *Data Structures and Algorithms*; *Intro to Machine Learning*.

### Washington University in St. Louis

St. Louis, MO

#### Engineering Tutor

August 2019 – Present

- Explaining key concepts for courses *Intro to Computer Science*; *Object-Oriented Software Development*;
- Introducing students to Java Debugger, which encouraged independent problem-solving.

## LEADERSHIP ROLES

### Eureka Club

Beijing, China

#### Founder and President

September 2015 – May 2018

### United Schools Model United Nations Conference

Beijing, China

#### Vice President, Secretariat member

September 2015 – February 2018