

# Ken Y. Zou

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## Education

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**Northeastern University** | *Khoury College of Computer Science*

Boston, MA

*Bachelor of Science in Computer Science*

Sep 2019 – Dec 2022

- **GPA/Honors:** 3.74/4.00
- **Relevant Courses:** Software Development, Object-Oriented Design, Algorithms and Data Structures, Database Design, Web Development, Computer Systems, Networks and Distributed Systems
- **Honors:** Dean's List

## Skills

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**Languages:** Java, Python, SQL, JavaScript, HTML, CSS, C++

**Frameworks:** React, Mongoose, Express, Redux, jQuery, JUnit, TestNG

**Tools:** Git, IntelliJ, Visual Studio Code, PyCharm

## Projects

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**Pokémon Team Builder** | *React, Node, MongoDB, Express, Bootstrap*

Dec 2022

- Built a Pokémon team builder web application that utilizes the PokeApi API
- Allows users to add and remove pokémon's to their team
- Supports login, register, leaving comments, likes and dislikes

**Distributed Key Value Store** | *Python, socket*

April 2021

- Programmed a distributed key-value datastore
- Implemented a simplified Raft consensus protocol to support replications and strong consistency

**Easy Animator** | *Java, JUnit*

June 2020

- Pair programmed an animation program using the Model-View-Controller design pattern
- Designed the graphical user interface (GUI) using Java Swing
- Allows users to create, edit and playback animations in the GUI

**Database on the Overwatch League** | *SQL*

June 2020

- Created a database focusing on the esports league, The Overwatch League
- Recorded each team, the players, player's stats, and game statistics for results and data analysis
- Applied queries to obtain specific statistics such as average stats, win percentages, etc.

## Experience

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**Software Engineer**

Sep 2022 – Dec 2022

*Generate Product Development*

*Boston, MA*

- Collaborated with a development team to utilize emotion and subject extraction models to analyze journal entries for a mental health service
- Developed tools for large data scraping, preprocessing and visualization of journal data in Python

**Software QA Automation Engineer Co-op**

Jan 2022 – Aug 2022

*Wellframe*

*Boston, MA*

- Wrote tests in Java that automated the dashboard and mobile app using the Selenium and Appium framework to save hours of manual testing
- Coordinated with the QA team to efficiently perform manual testing for each release
- Refactored the test suites to run in parallel to decrease the total runtime by 60%

**Produce Clerk**

June 2019 - Jan 2020

*Market Basket*

*Reading, MA*

- Engaged with customers to address questions and concerns to better satisfy their experience
- Communicated with peers to maintain inventory control and organize the store

## Interests

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Basketball, Tennis, Piano, Music