

Kenneth Ye

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EDUCATION

University of Waterloo

Bachelor of Computer Science - 3.94 GPA

Waterloo, On

September 2023 – May 2028

WORK EXPERIENCE

Math and Science Tutor

Schoolhouse World

March 2022 – Present

Remote - Mountain View, CA

- Tutored students on the content of AP Calculus AB, AP Physics 1, and AP Chemistry over the Zoom platform
- Audited tutoring sessions of other tutors, ensuring they are following the guidelines and rules of the platform
- Ranked top 5% out of all tutors for sessions hosted and number of learners impacted, hosting 60+ sessions with 83 learners impacted
- Received 101 positive ratings, with 61 super helpful ratings ranking top 10% of all tutors

VOLUNTEER EXPERIENCE

Co-Founder

Extra Mile

September 2021 – June 2023

Mississauga, ON

- Conducted lectures and tutored students on key concepts covered in AP Physics 1 and AP Calculus
- Organized peer-study groups for 70+ students to help students prepare for various math contests and AP exams
- Hosted mock AP Calculus AB and AP Physics 1 exams for students
- Produced study plans for students to follow in preparation for math contests and AP exams

PROJECTS

Personal Portfolio Website | *React, HTML, SASS, JavaScript*

December 2023

- Utilized React for the front-end user interface
- Implemented React Router to route between pages based on URL
- Created animations using animate.css
- Styled pages using SASS

Aho-Corasick Algorithm Visualizer | *React, D3.js, HTML, CSS, JavaScript, Git*

Dec. 2022 – Jan. 2023

- Built a interactive React web app that visualizes how the Aho-Corasick string search algorithm works
- Visualized the Aho-Corasick finite-state machine using the D3.js framework
- Coded the algorithm and created an animation of how the algorithm searches through the finite-state machine using JavaScript

Blackjack Game | *Java*

June 2022

- Developed a GUI Blackjack game using the Swing Library
- Applied Object Oriented Design to code the game logic and betting system

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, HTML/CSS, SASS

Frameworks: React, Node.js, D3.js

Developer Tools: Git, Linux