

# Yoon Kim

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## EDUCATION

### University of Waterloo

*Bachelor of Applied Science, Management Engineering*

- Dean's Honour List - 2A

Waterloo, ON

*Sept. 2022 – May 2027*

## SKILLS

**Languages:** Python, JavaScript, HTML/CSS, Racket, SQL, PowerShell

**Developer Tools:** Git, Postman, Docker, Jenkins, JIRA

**Libraries/Frameworks:** React, Angular, Vue, Django, pandas

## EXPERIENCE

### Top Hat

Jan. 2024 – May 2024

*Software Engineer*

*Toronto, ON*

- Migrated over 500 unit tests from an Enzyme Library to a React Testing Library for easier maintainability, and better support for user interactions
- Fixed 20+ critical bugs by utilizing thorough debugging techniques and collaborating with cross-functional teams, contributing to a 30% reduction in average bug resolution time and a 25% increase in user satisfaction ratings.
- Optimized notification menu for 1M+ students with features like mark all notifications as read and thread deep linking by leveraging FASTApi endpoints and React, enhancing user experience and engagement.
- Integrated numerous a11y features, ensuring compliance with WCAG 2.1 standards, to enable a successful General Availability launch of Ace (private AI tutor) resulting in 7% increase in usage among individuals with disabilities
- Engineered a delete functionality for the threads feature, creating back-end API endpoints and front-end modifications, resulting in a 27% decrease in user-reported thread clutter and reduced system maintenance time by 15%

### Vitashop

May 2023 – Sept. 2023

*Digital marketing / Frontend Developer*

*Markham, ON*

- Refined website aesthetics by strategically decluttering and categorizing products using HTML and CSS techniques, which notably improved customer usability and led to a 12% increase in customer satisfaction ratings.
- Integrated advanced tracking solutions and streamline analytic processes through Google Analytics to capture user interactions and behaviour on the website.
- Automated the capture and parsing of website engagement using JavaScript, subsequently decreasing the time required to analyze customer data by 4 hours/week

### Cooke Aquaculture

June 2022 – Sept. 2022

*Software Developer Intern*

*Saint John, NB*

- Engineered a Python script to audit the company's active directory, discovering and relocating over 300 users placed in incorrect directories. The solution achieved a 7.5% error resolution rate, improving the directory accuracy
- Implemented an automation system with PowerShell to reset over **30** development servers every month for reusability, freeing up valuable developer time for more critical tasks.
- Developed an IP tracking system using Python's Paramiko library to identify any unknown devices, strengthening the network security and defending against potential threats.

## PROJECTS

### Flight Booking Automator | *Python, Selenium*

May. 2023 – Aug. 2023

- Designed a python program to interact with airline websites, automating the flight search and booking process, increasing booking efficiency by 80%.
- Conducted comprehensive testing to validate the program's accuracy, contributing to a 97% success rate in fetching and booking the most optimal flight.

### Illness Classifier | *Python, TensorFlow, Pandas, NumPy, Scikit learn*

Jan. 2022 – Mar. 2022

- Developed a machine learning project that uses a data set of 35 000 cases and a neural network model to determine what illness a person has.
- Achieved an accuracy rate of 92.90% and an average of 0.048% loss rate.