

# Yoon Kim

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## EDUCATION

### University of Waterloo

*Bachelor of Applied Science, Management Engineering*

Waterloo, ON

*Sept. 2022 – May 2027*

- Dean's Honour List - 2A
- Relevant Courses: Data Structures and Algorithm, Linear Algebra, Probability and Statistics

## SKILLS

**Languages:** Python, JavaScript, HTML, CSS, TypeScript, C++, PowerShell, R

**Developer Tools:** Git, React.JS, SQL, Django, Flask, AWS, Docker, Linux

**Libraries:** Redux-Saga, Pandas, NumPy, Matplotlib, TensorFlow, Selenium, Sci-kit Learn

## EXPERIENCE

### Top Hat

Jan. 2024 – May 2024

*Software Engineer*

- Migrated over 500 unit tests from an Enzyme Library to a React Testing Library for easier maintainability, and better support for user interactions, resulting in a 4% decrease in errors caught by Sentry.
- Fixed 20+ critical bugs by utilizing thorough debugging techniques and collaborating with cross-functional teams, contributing to a 40% reduction in average bug resolution time and a 25% increase in user satisfaction ratings.
- Refined the notification menu by adding features (name wrapping, thread deep linking, mark all button FASTApi endpoints and react for frontend) which resulted in a 35% increase in student usage.

### Vitashop

May 2023 – Sept. 2023

*Digital marketing / Frontend Developer*

- Refined the website's interactivity and categorization of products using, PHP, HTML, and CSS, improving customer's ease of use, resulting in **5-figures** in increased earnings.
- Integrated advanced tracking solutions and streamline analytic processes through Google Analytics to capture user interactions and behaviour on the website.
- Developed code in JavaScript to automate the capture and parsing of website engagement, subsequently decreasing the time required to analyze customer data by **4** hours/week

### Cooke Aquaculture

June 2022 – Sept. 2022

*Software Developer Intern*

- Engineered a Python script to optimize the organization of the company's active directory, managing over **4000** users. The solution significantly enhanced the directory structure, leading to a notable **25%** increase in operational efficiency.
- Implemented an automated system with PowerShell to reset over **30** development servers every month for reusability, freeing up valuable developer time for more critical tasks.
- Developed a Python based IP address tracking solution for company routers to identify any unknown devices, in order to strengthen the network security and defend against potential threats.

## PROJECTS

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

May. 2023 – Aug. 2023

- Designed a program to interact with airline websites, automating the flight search and booking process, increasing booking efficiency by **80%**.
- Utilized Selenium's web scraping capabilities to extract flight information such as prices, departure times, and available seats.
- Conducted comprehensive testing to validate the program's accuracy, contributing to a **98%** success rate in fetching and displaying real-time flight data.

### 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.