

Yoon Kim

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EDUCATION

University of Waterloo

Bachelor of Applied Science, Management Engineering

Waterloo, ON

Sept. 2022 – Present

- Term GPA: 3.96/4.0
- Dean's Honour List - 2A

SKILLS

Languages: Python, JavaScript, HTML/CSS, SQL, PowerShell, R

Tools/Databases: Git, Postman, Docker, Jenkins, MySQL, DynamoDB, AWS

Libraries/Frameworks: React, Node.js, Redux, FastAPI, Angular, Django, Tensorflow, pandas

EXPERIENCE

Top Hat

Jan. 2024 – April 2024

Software Engineer

Toronto, ON

- Engineered a delete functionality for message threads, using Django for back-end API endpoints along with React and Axios for front-end modifications, resulting in a 12% decrease in user-reported thread clutter.
- Migrated over 500 unit tests from an Enzyme Library to React Testing Library and Jest for easier maintainability, and better support for user interactions.
- Fixed 20+ critical bugs by utilizing Chrome Developer Tools as well as thorough debugging techniques and collaborating with cross-functional teams, contributing to a 30% reduction in average bug resolution time.
- Integrated numerous a11y features using React and CSS, to enable a successful General Availability launch of Ace (private AI tutor GPT) resulting in 3.4% increase in usage among individuals with disabilities.
- Enhanced notification menu for 1M+ students with React, integrating read status tracking, React Router for thread deep linking, and CSS for visual improvements resulting in enhanced user experience and engagement.

Vitashop

May 2023 – Aug. 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.
- Implemented A/B tests and gathered user feedback to continuously improve website design and functionality.
- Automated the capture and parsing of website engagement data using JavaScript, Google Tag Manager, and Google Analytics subsequently decreasing the time required to analyze customer data by 4 hours/week.

Cooke Aquaculture

June 2022 – Aug. 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. This 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*

- 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*

- 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.