

Yash Mathur

3A Computer Science

 yashmathur.me

 YashMathur

 y2mathur@uwaterloo.ca

SKILLS

Languages: C, C++, Ruby, PHP, SQL, JavaScript, HTML, CSS

Technologies: Elasticsearch, Kafka, Rails, React, Node.js, Firebase, D3.js

Software: Git, Bash, MySQL

EXPERIENCE

SHOPIFY SOFTWARE ENGINEERING INTERN

Winter 2018 | Toronto

- Optimized an existing **i18n** library to improve loading speed by **8%**
- Improved listing discovery by **7%** by implementing text based search
- Optimized SQL queries to improve average response time of pages by **25%**
- Migrated the front-end codebase to React by building APIs and components for existing Rails views
- Built a map to display locations of messages sent on the Exchange platform using **Kafka streams** and **D3.js**
- Developed a comprehensive system to ban fraudulent buyers and sellers based on IP addresses and registered email

SHOPIFY SOFTWARE ENGINEERING INTERN

Summer 2017 | Toronto

- Independently developed filtering and sorting for listings using **Elasticsearch**
- Implemented an Elasticsearch reindexing strategy to ensure **zero downtime**
- Designed an **email webhook** to support email forwarding with masking
- Analyzed the effectiveness of rearchitecting the project's front-end with React using Airbnb's Hypernova gem to support server-side rendering

UPETCH VENTURES DEVELOPER

Summer 2016 | Mumbai

- Developed websites for clients from scratch using React, Node and PHP

PROJECTS

STOCKSENSE Java, Android API, PHP

- Built an Android app that helps users track the stock market in real-time
- Wrote PHP scripts that extract stock market data from websites

ASCIINATOR Python, Python PIL

- Developed a command line tool that displays images using ASCII characters
- Implemented an algorithm that scales images according to input parameters and maps intensities to characters accurately

EDUCATION

UNIVERSITY OF WATERLOO BACHELOR OF COMPUTER SCIENCE

September 2016 - May 2021 | Engineering International Student Scholarship

AWARDS

GOOGLE GAMES 2017 1ST PLACE

Solved algorithmic challenges and puzzles to win the first prize

CODE VOYAGE 2016 3RD PLACE

Students from all over India participated in the competitive programming contest