

Yash Mathur

uWaterloo 3B CS

<http://yashmathur.me>

y2mathur@edu.uwaterloo.ca

YashMathur

EXPERIENCE

GRAND ROUNDS

Jan 2019 - Present

SOFTWARE ENGINEERING INTERN

San Francisco, CA

- Building a developer automation tool to improve development workflow and dependency management
- Implemented GraphQL subscriptions to reduce latency in displaying real time data

SHOPIFY

Jan - Apr 2018

SOFTWARE DEVELOPER INTERN

Toronto, ON

- Optimized an **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%**
- Developed a system to ban fraudulent users based on IP addresses and email
- Migrated the front-end to React by building APIs and components for existing Rails views

SHOPIFY

May - Aug 2017

SOFTWARE DEVELOPER INTERN

Toronto, ON

- Developed an **email webhook** to support email forwarding with masking
- Independently developed filtering and sorting for listings using **Elasticsearch**

PROJECTS

HANDWRITING GENERATOR

TypeScript

- Built an app that converts text to the user's handwriting
- Generates handwriting by interpolating data points using cubic splines

DONOPOLY-MEAL

Rails, React, GraphQL

- Developed a highly customizable online multi-player card game
- Architected the backend to support custom made cards for individual game rooms

STOCKSENSE

Java, Android API, PHP

- Built an Android app that helps users track the stock market in real-time

EDUCATION

UNIVERSITY OF WATERLOO

Sept 2016 - May 2021 (Expected)

HONORS BACHELOR OF COMPUTER SCIENCE CO-OP

Waterloo, ON

Operating Systems • Data Structures • Algorithms • Compilers • Numerical Computation

AWARDS

GOOGLE GAMES

1st Place

Competed against teams from Canadian universities to solve algorithmic challenges

CODE VOYAGE

3rd Place

Competed against over 3,000 students in the competitive programming competition

LANGUAGES

Languages: C++ • JavaScript • Ruby • Racket • Bash • Python • Java

Technologies: Kubernetes • Kafka • React • Webpack • GraphQL • Android

Software: Git • MySQL • AWS • Docker