

Tommy Pang

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EDUCATION

University Of Waterloo - Mathematics

Markham, Ontario
September 2022 – June 2027

Unionville High School (UHS)

Markham, Ontario
September 2022 – June 2027

- Received UHS honour roll, which is a recognition of outstanding academic performance, over the past 4 years
- Received English Subject Award in grade 12 (a total of ten grade 12 recipients)

EXPERIENCE

UHS Computer Club

September 2021 – June 2022
Unionville, ON

Executive

- * Prepared and taught topics in algorithm field
- * Prepared students for CCC (Canadian Computing Competition)
- * Shared my experiences/advice on computing contests

UHS Newcomers Club

September 2021 – June 2022
Unionville, ON

Peer Leader / Executive

- * Planned and designed monthly club activity, allowing newcomers/new students to make new friends and have fun
- * Led activity in one of the breakout rooms after students went to their assigned breakout room

Contests

- * UCC Coding Competition(Spring Coding Bowl) 2021 - 20th place Perfect Score
- * 2022 Canadian Computing Competition - 149th place (Top 4 percent)
- * CodeChef AlgoManiac - Code For Future Division 2 - Global Rank: 72
- * LeetCode Weekly Contest 292 - Global Rank: 188
- * LeetCode Biweekly Contest 75 - Global Rank: 271
- * 2021 Canadian Senior Mathematic Contest - 136th place (Top 1 percent) / National Honour Roll
- * 2021 Hypatia Math Contest - 136th place (Top 1.8 percent) / National Honour Roll
- * 2021 Euclid Math Contest - 502th place (Top 2.5 percent) / National Honour Roll
- * 2021 Fermat Math Contest - 777th place (Top 5 percent)
- * Full contest history available on personal website

Publications On Medium

September 2021 – Present

- * Static Web Page Scraping With Node.js - Sep 26, 2021
- * Dynamic Web Page Scraping with Node.js and Puppeteer - Oct 27, 2021
- * A Simple Calculator Implemented With JavaScript That Evaluates String Expressions - Oct 23, 2021
- * Available at personal website

Udemy Courses

March 2022 – Present

- * Full Stack: Angular and Java Spring Boot E-Commerce Website
- * QC101 Quantum Computing Quantum Physics for Beginners

PROJECTS

Intelligent Promotion Collector | *Java, Spring Boot, Node.js, Kotlin, JavaScript*

May 2021 – April 2022

- * Integrated the microservice architecture design pattern
- * Created a Node.js web scraper that fetches promotion items from Walmart
- * Created a Spring Boot application that accepts promotions from Node.js app and stores them in DB. It exposes Rest API for web and mobile app to query promotions

- * Created an Android app with Kotlin and XML that gives user a view of the promotion items. User can select their preference and the app will highlight items according to their preference
- * Created a Spring Boot application that validates user login info and performs requested update on user's preference
- * Created a web application that allows users to do everything that's available on the mobile app. Session management (cookies) is used to keep user logged in

Enterprise Email Middleware | *Java, Spring Boot, JavaScript, HTML*

November 2021 – November 2021

- * Created a web app that allows user to compose and send emails online
- * Developed Spring Boot rest API to validate the login info and send the email using SMTP
- * APP is effective in advertisement automation

SKILLS

Programming Languages: Java, Python, SQL (Postgres), JavaScript, HTML/CSS, Kotlin, TypeScript

Frameworks: Spring Boot, Node.js, Flask, Angular

Developer Tools: Git, IntelliJ, Visual Studio Code, Eclipse, Android Studio

Languages: English (Native), Mandarin (Native)