

# KEVIN LAU

University of Waterloo Computer Science and Business Student

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## TECHNICAL SKILLS

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**Languages:** Java, HTML/CSS, Javascript, C/C++, Python, Scheme, Bash

**Frameworks/Libraries** React, Flask, Bootstrap, Java.Awt / Java.Awt.Swing

## PROJECTS

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TwitterCow - [Github Link](#)

Jan 2023

- Developed a website that uses *Snsrape* to scrape Twitter posts to display the most trending locations
- Utilizes Flask API and NLP to process data and algorithms to effectively calculate a "MooMeter" score
- Created software that adjusts the data pipeline to adapt to the users' preferences & inputs
- Implemented React.js to display the top 6 locations related to their search queries

Personal Website - [Github Link](#)

Jan 2023

- Designed and created a personal portfolio website using HTML/CSS and JavaScript
- Utilized frameworks such as Bootstrap ensuring mobile compatibility
- Applied various JavaScript packages to include multiple animations such as *ScrollOut.js*

Connect 4 Online - [Github Link](#)

Jun 2022

- Constructed a network that users can connect to and play an online multiplayer version of Connect 4
- Designed and implemented an interactive user interface using Java.Awt and Java.Awt.Swing
- Implemented the MVC-Architecture to support multiple screens and interfaces

## EXPERIENCE

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Rover Scouter - 6<sup>th</sup> Richmond Hill Scout Group

Sep 2020 - Current

- Led and coordinated group-wide volunteer events ranging from community service to exploration
- Awarded the Chief Scout's Award by Scouts Canada for exceptional performance and leadership
- Cooperate with other Scouters to develop important skills such as decision making and critical thinking

Swim Instructor / Supervisor - WD Swim Markham

Apr 2022 - Sep 2022

- Trained/supervised over 70+ students ages ranging from 3-12
- Coordinated with instructors to create individualized lesson plans per class

Mathematics Tutor - Self Employed

Jan 2022 - Apr 2022

- Taught high school students grade 12 math (advanced functions and calculus).
- Altered lessons to effectively manage and meet each individual student's learning speed

Instructional Assistant - York Catholic District School Board

Sep 2020 - Mar 2022

- Supervised and taught Mandarin to a class of 30+ JK/SK students
- Adapted and revised content to be learnt at a manageable scale within a dynamic environment
- Communicated with peers and superiors to ensure classes were organized and consistent

## EDUCATION

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Computer Science and Business Administration (Double Degree) - University of Waterloo

Expected 2027

- GPA: 3.96 / 4.0
- Relevant Coursework: Functional (Scheme) and Imperative Programming (C), Data Structures & ADT, Dynamic Memory, Git, Linux Shell, Command Line Interface

Ontario Secondary School Diploma - St. Augustine Catholic High School

2018 - 2022

- Awards: Honor Roll (2018-2022), Economics Award (2021-2022), Music Award (2020-2022)
- Clubs: Investing Club, Business Club, Computer Science Club, Swim Team, OSAID, Reach To The Top