

# 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.js, D3.js, Flask, Bootstrap, Java.Awt / Java.Awt.Swing

## PROJECTS

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University of Waterloo Course Tracker - [Github Link](#) || [Website Link](#) Feb 2023

- Developed a website that uses **Python (Selenium)** to **scrape UWFlow.Com** to help students choose courses
- Utilized **React.js** and **D3.js** to create a **dynamic** and **interactive** user interface that visualizes data
- Utilized **Flask API** to **link** user input to back-end data requests to ensure **seamless communication**

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 and **adapts** to the users' preferences & inputs
- Implemented **React.js** to **display** the **top 6 locations** related to their search queries

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**
- Cooperated 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 to help **effectively manage** and meet each student's learning speed

Retail Business Executive - Imperiu Sep 2020 - Jun 2021

- Handled the **logistics** involving placing orders **ensuring** that the clients received their products.
- Promoted the company through **social media initiatives** while **speaking to clients** to spread awareness
- Managed the financial records and the payroll to other employees to **ensure accuracy** and **precision**

Instructional Assistant - York Catholic District School Board Sep 2018 - Mar 2020

- 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: 3.94 / 4.0
- Relevant Coursework: Functional (Scheme) and Imperative Programming (C), Data Structures & ADT, Dynamic Memory, Git, Linux, Bash Shell Scripting, 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