

# 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
- Employed **Flask API** to connect the **Selenium back-end** to the user interface

**TwitterCow** - [Github Link](#)

Jan 2023

- Developed a website that uses **Python Snsrape** to **scrape Twitter** to locate the top tourist destinations
- Built **NLP algorithm** to calculate a popularity score and connected it to the front-end using **Flask API**
- Customized the popularity score based on **users' past searches and preferences** for **improved relevance**
- Implemented **React.js** front-end to **display** the top 6 locations related to the user's **search parameters**

**Connect 4 Online** - [Github Link](#)

Jun 2022

- Created a **network protocol** for an **online multiplayer** version of Connect 4 using the **Java Socket** library
- Designed and implemented an **interactive user interface** using **Java.Awt** and **Java.Awt.Swing**
- Implemented the **MVC-Architecture** to ensure seamless user experience on **multiple screens/interfaces**

## WORK 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

- Instructed swimming lessons **three times a week** at WD, focusing on proper stroke technique and water safety skills for **70+ children** from grades K-6, whilst maintaining **detailed notes** on each student's progress
- Coordinated with fellow instructors to create comprehensive **individualized lesson plans** to help ensure smooth and consistent delivery of swim instruction, **catered towards** each individual student

**Retail Business Executive** - Imperiu

Sep 2020 - Jun 2021

- Orchestrated the company's end-to-end product logistics, **ensuring client satisfaction** throughout delivery
- Promoted the company through **social media initiatives** resulting in the **acquisition of 30 new clients**
- Managed payroll at the company with **precision and accuracy** to ensure **timely** payment for all employees

**Instructional Assistant** - York Catholic District School Board

Sep 2018 - Mar 2020

- Utilized **effective teaching strategies** to enhance native Mandarin proficiency of **30+ kindergarteners**
- Adapted content to ensure that instruction was **appropriately paced for young learners** in the classroom
- Providing regular **timely updates** with peers and superiors to ensure classes were **organized** and **consistent**

## EDUCATION

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**Bachelor of Computer Science and Business Administration (Double Degree)**

2022 - 2027 (Expected)

- **School:** University of **Waterloo** — 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