KEVIN LAU

University of Waterloo Computer Science and Business Student

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TECHNICAL SKILLS

Languages:	Java, HTML/CSS, Javascript, C/C++, Python, Scheme, Bash
Frameworks/Libraries	React, Flask, Bootstrap, Java.Awt / Java.Awt.Swing

PROJECTS

TwitterCow - <u>Github Link</u>   Jan 2023
- **Developed** a website that uses **_Snscrape_** 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 - <u>Github Link</u>   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 - <u>Github Link</u>   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

Rover Scouter - 6th 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 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

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