

Jiale Tom Tian

Computer Science Student at the University of Waterloo

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SKILLS

- **Languages:** Python, JavaScript, C, HTML/CSS, SQL
- **Tools:** React, Pandas, Node.js, Beautiful soup, Firebase, Google Cloud APIs, Git
- **Hobbies:** Ping Pong, Violin (RCM Level 8), Basketball, Hackathons (Hack Western, Starter Hacks), Hiking

AWARDS

- DECA Business Finance **International 1ST Place**; 36,000 competitors across the world(2018)
- Governor General's Award for Academics and Extra-curricular involvement; sole recipient (2019)
- DECA Business Finance **Provincial Champion** against over 100 competitors across the province (2019)

EDUCATION

Candidate for Computer Science, Honours, at the University of Waterloo (2A) (2019-2024)

- Cumulative Average: 90%

PROJECTS

Subletty

A platform that help students in the KW region find sublets through a safe and user friendly website (Project at Starter Hacks 2020)

- Created using **React** and **Bootstrap** to improve user experience and visual appeal
- Implemented database read and write, and user authentication through **FireBase's NoSQL** and **authentication services**

Voice Control Word Editor

A program for users with physical disabilities, which allows users to easily access files and edit word documents with just their voice

- Translated human speech into strings by using the **Google Voice to Speech Cloud API**
- Implemented **Python Docx library** and **Python OS modules** along with object oriented programming to control computer actions

Wall Street Journal Web Scraper

A web scraper that gathers key stock data from autogenerated HTML; project inspired by personal interest in business and finance

- Extracted data from website using **Beautiful Soup** library to gather specific website data
- Organized data into appropriate CSV files through the **Pandas library** to allow for future read and write

EXPERIENCE

DECA High School Chapter President

Sept 2018-June 2019

Led a group of over 50 members for regional, provincial and international business competitions

- Hosted three fundraisers that raised a total of **3000+** dollars
- Mentored chapter which **set a record** of 10 award winners in the regional level competition

CS Club Co-President

Sept 2018-June 2019

Founded a computer science club to prepare students for computing contests

- Taught basic algorithms and data structures which allowed **20** beginner students to compete in the Canadian Computing Contest hosted by the University of Waterloo