# PETER JIANG

*Software Developer*

## CONTACT

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🌐 **WEBSITE**
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## SKILLS

- JAVA, PYTHON, C, JS, TS MYSQL, HTML/CSS, LATEX

- CREATIVE UI/UX & WEB DESIGN W/ REACT&FLUTTER

- ANDROID NATIVE APP, PWA, CROSS-PLATFORM APP

- GITHUB & VERSION CONTROL

- LINUX/UNIX, DOCKER

- PHOTOSHOP, PREMIERE, AFTEREFFECT, ILLUSTRATOR

## INTERESTS

STATISTICS, NEURAL NETWORK & ML

MUSICS, PIANO & VIOLIN

## EDUCATION

**Candidate for Honours BCS**
UNIVERSITY OF WATERLOO
3.86 accumulative GPA, 3.97 GPA in CS major courses.
Currently enrolled in advanced-level CS 146 course.
Qualified for President's Scholarship.

## PROFILE

First year CS student at UWaterloo who's very passionate about technology. Knowledgeable with **functional programming**, various **algorithms** and **data structure**. Enjoys **competitive programming**. Experienced with film making, VFX and digital media.
Always strives for **high-quality** code and product design. Always pursues creative & elegant **problem solving**.

## EXPERIENCES

**2018-2019** — **FRC PROGRAMMING**
FRC (FIRST ROBOTIC COMPETITION) TEAM 7721
- Programmed PID on our custom robot with **WPILib** in **Java** as a team

**2019-2020** — **CS CLUB PRESIDENT**
UNIONVILLE HIGH SCHOOL
- Hosted weekly workshop on competitive programming
- Sparked the interest of 30+ attendees in CS

**2018-2020** — **FRC MEDIA LEAD**
FRC TEAM 7721
- Branded and promoted club activities through professional made promo materials
- Taught and led team members in video production

## PROJECTS

**2020-NOW** — **COVID-19 APP**
- Built using **Flutter** to track daily statistics
- Features a built-in outbreak map & alert system
- Utilizes **Athena API** by WHO for statistics&visualization

**2020-NOW** — **PERSONAL WEBSITE**
- Built using **Flutter**, HTML, JS
- Utilizes **flex** widget layout for responsive design

**2019-** — **NOTE.WORKING - STARTERHACKS**
- Equation solving + note taking **web app** with **Node.js**
- A smart calculator app that assist students with math problems

**2018-2019** — **COMPETITIVE PROGRAMMING**
- Self-studied various algorithms and data structures
- Self-taught C++, Java and Python
- Practiced Git & version control for organization

**2018-2019** — **PASSWORD MANAGER**
- Developed an offline password manager from scratch with **Java**
- Implemented the **AES** encryption scheme with a **2FA** protected encrypted database