

# JIAJUN FAN

2B Electrical Engineering · University of Waterloo  
Canadian Citizen



Waterloo ON Canada



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<https://github.com/JadonFan>

## QUALIFICATIONS

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**Programming** Python, C++, Java, JavaScript (ES6), SQL, XML, HTML5, CSS

**Academic** 93% in data structures and algorithms, 84.5% cumulative average

**Languages** English, Mandarin Chinese

## WORK EXPERIENCE

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### Software Developer in Test | TELUS Health

- Automated RMI and API tests, in **Java**, for an EMR software (desktop and mobile)
- Completed performance tests using **JMeter** and **Jenkins**
- Worked with **Oracle SQL** and **PostgreSQL** for retrieval and storage of test data
- Developed code with **git**, and the **Agile** process and **Kanban boards** in **Jira**

### Machine Operator | Linamar

- Operated a drilling machine with some overtime, and produced about 1,000 parts/day
- Worked with machinery software to adjust dimensions and fix tooling issues

## PROJECTS

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### Third Person Desktop Shooter Game

- Designed, with **pygame**, a shooting game with level progression and a user-friendly UI
- Created some in-game 3D animations with **OpenGL**
- Wrote code to track and save user statistics using **matplotlib**

### "Classic Games" Android Application

- Used **Java** and **XML** to implement an **Android** app for tic tac toe with animations and AI
- Published my application on the Google Play Store
- Currently implementing card games with shuffling algorithms and animations

### Controllable Arduino Pitching Machine

- Co-programmed, in **C++**, an **Arduino** (Uno) pitching machine on wheels to shoot a ping-pong ball at user-specified coordinates or launching velocity
- Implemented an **Android** app with **Java** to control the pitching machine via Wi-Fi