

# Daniel Jiang

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<https://djiang9001.github.io> | <https://github.com/djiang9001> | <https://www.linkedin.com/in/djiang9001>

## Skills

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**Languages:** Java, C++, C, HTML, CSS, JavaScript, PHP, Python, XML, Racket

**Tools:** MySQL, Apache, Git, Visual Studio, Eclipse, Android Studio, VirtualBox

**Other:** Linux, Functional and Object-Oriented Programming, LAMP

## Projects

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**YouTube Video Downloader** (PHP, HTML/CSS/JavaScript, MySQL) **March 2019 - Present**

- Currently implementing a web-based application to get direct download links for Youtube videos of various media formats ([including a purely client-sided version](#)).

**To-do List Application** (Java, XML, Android Studio) **January 2018 – June 2018**

- Designed a to-do list app using *Java* and *XML* with *Android Studio* that can be used to keep track of due dates, take notes, and record a history of tasks completed, to gain experience in Object-Oriented Android app development

**2D Game Prototype** (C++, Visual Studio) **December 2018 - Present**

- Implemented a prototype of a 2D side-scrolling endless runner for Windows with *C++* in *Visual Studio*, using Simple DirectMedia Layer (SDL) library, to gain experience in Object-Oriented game development with external libraries

## Experience

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**Aquatic Instructor** **July 2017 – June 2018**

*Bayview Hill Pool (Town of Richmond Hill)*

- Collaborated with co-workers during team trainings for emergency situations to build leadership and teamwork skills
- Adapted lesson plans to fit individual needs of students as they improved, and as new instruction techniques were learned, to optimize the students' learning

**Computer Club Member** **September 2016 – June 2018**

*Bayview Secondary School*

- Learned about computing concepts in groups and applied them to solve online computing problems
- Trained individually and in teams in preparation for computing contests

**E-sports Competitor** **September 2014 – Present**

- Achieved Diamond 4 rank (98<sup>th</sup> percentile) in a team-based e-sport (*League of Legends*), through teamwork and several hundred hours of dedication towards self-improvement

## Education

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**Bachelor of Computer Science** | *University of Waterloo*

**(Expected 2023)**