

# Kyrel Jerome

## Personal Info

### E-mail

Jerome.kyrel@gmail.com

### Github

github.com/kyreljerome

### Website

https://kyreljero.me

## Frameworks

- Flutter
- Android Jetpack
- Bootstrap
- OpenCV

## Languages (Proficient)

- Java
- Python
- Dart

## Languages (Familiar)

- XML
- SQL

## Soft Skills

- Analytical Thinking
- Communication
- Teamwork
- Organization (Scrum, Git)
- Self-Learning

## Software

- Visual Studio Code
- Linux
- Android Studio
- Eclipse

Computer scientist, gamer, and software developer with 3+ years of experience teaching computer science concepts. With multiple completed and ongoing projects, I am an avid gamer who cares about efficiency and UI/UX design.

## Projects | Available on Github

### Street Fruiter (2016)

- Programmed a multiplayer 2D Fruit-themed fighting game using **AABB collision** and a **custom sprite animation system**.

### Kure Polynomial Graphing Engine (2017)

- Created Java app that graphs, solves, and differentiates the user's polynomial or rational functions.

### Flow (2018 - Present)

- Created a creative tool for groups to create rhythmic poems on mobile devices.
- Planned and researched in-depth using **Scrum** to ensure scalability.
- Implemented **Flutter**, **JSON**, and **jQuery** to access and **cache** a categorized rhyming database.

### Project Alpha (2018 - Present)

- Designing and developing a graphical game-designing framework.
- Programmed custom **collision**, **physics**, and **game object hierarchy engines** using **OpenGL** through **LWJGL**.

### Personal Website VI (2018 - Present)

- A portfolio website programmed using **JavaScript**, **Bootstrap**, **HTML**, and **CSS**.

## Education

### University of Toronto (2017 - 2021)

- B.Sc. majoring in both Computer Science and Applied Statistics.

## Experience

### Lead FRC Programming Mentor (2017 - Present)

- Volunteer position mentoring high school FRC robotics team 5288 The Spartans in computer vision, control system design, and Object-Oriented Java programming.

### Youth Robotics Teacher (2018 Summer)

- Mentored youth about robotics as part of the Thames Valley District School Board's Elementary Summer Numeracy program.

### ECOO-CS Computer Science Board Winner (2017)

- Won the 2017 ECOO-CS Programming Contest run by the Educational Computing Organization of Ontario.