Kyrel Jerome

Personal Info

E-mail

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Phone

226-224-7173

Github

github.com/kyreljerome

Website

https://kyreljerome.netlify.com/

Frameworks

- React Native
- Android Jetpack
- Bootstrap

Languages (Proficient)

- Java
- Python
- XML

Languages (Familiar)

- C#
- SQL

Soft Skills

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

Software

- OpenGL
- OpenCV
- Linux
- Android Studio
- Eclipse

Computer scientist, gamer, and software developer with 3+ years of experience teaching computer science concepts. Experienced utilising and testing game engines such as Unity3D, and creating my own—I am an avid gamer who cares about efficiency and UI/UX design.

Projects | Available on Github

- **Street Fruiter** (2016)
  A multiplayer 2D Fruit-themed fighting game with **AABB collision** and a **custom animation engine**.

- **Kure Polynomial Graphing Engine** (2017)
  A java program that graphs a user inputted function using **Graphics2D**.

- **Flow** (2018-present)
  A creative tool for the masses, Flow utilises **React Native**, **JSON,** and **jQuery** to access and cache a categorized rhyming database for groups to rhythmically create freestyle raps on mobile devices.

- **Project Alpha** (2018– Present)
  Project Alpha a **2D game engine** utilising **OpenGL** through **LWJGL** and **custom collision**, p**hysics**, and **game object hierarchy systems**. Designed to become a graphical game designing interface capable of live testing.

- **Personal Website V1** (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 team 5288 The Spartans in computer vision, control systems design, and OOP java programming.

- **Youth Robotics Teacher** (2017 Summer)
  Work as a youth mentor in Learning Support Services as part of our elementary Summer Numeracy program. The program was sponsored by the Ontario Government and run by TVDSB.

- **ECOO-CS Computer Science Board Winner** (2017)
  Board event winner of the 2017 ECOO-CS Programming Contest run by the Educational Computing Organization of Ontario.