

Skills

- Languages/Environments: Java, C++, C#, C, Python, XML, HTML, CSS
- Tools/Frameworks: Android Studio, Visual Studio, Git, Vim

Projects

OverStats – goo.gl/jCbl46

- Android app with 15,000 downloads on Play Store. Rated 3.9 stars. It provides hero stats for Overwatch
- Set up Apache2 on a Linux server to host in-game data, enabling seamless updates using background thread
- Parse json files from a web API to obtain patch notes, catching users up to date on the latest changes
- Overcame challenges such as consistent animation by quickly learning application life cycle, Fragments, etc
- Respond to feedback such as player search not working, by quickly debugging and pushing new updates

McCree's Watch – goo.gl/73w4yP

- Android app with 99,000 downloads on Play Store. Rated 4.8 stars, with 1000 ratings and 500 reviews
- Entertains users through a creative soundboard with material design
- Optimized to play small files, which allows users to tap rapidly, playing multiple streams in overlap

Diffusion Simulator – goo.gl/eEezlC

- Android app that uses a game loop on a dedicated thread to simulate and render collision of particles
- Particles concentrate towards where the user hold on screen, and move randomly when released
- Simulates acceleration for each particle for concentration. Used dot product to process collision

Clubs & Volunteer

Richmond Green Secondary School Physics Club

Richmond Hill, ON

PRESIDENT

Sept. 2015 - Apr. 2016

- Researched and prepared physics contest level practice problems to help members improve their skills
- Prepared activities for the 20 members club meeting each week, that explores new topics such as torque

Richmond Green Secondary School Tech Crew

Richmond Hill, ON

VOLUNTEER

Jan. 2015 - Apr. 2016

- Set up the sound system and the stage in a team of volunteers for over 200 people in school-wide events

Education

University of Waterloo

Waterloo, ON

CANDIDATE FOR B.S IN COMPUTER SCIENCE

Sept. 2016 - Present

- \$2000 President's Scholarship of Distinction

Awards

ECOO Programming Competition

2016

- 5th place in Ontario-wide contest with over 400 teams

National Math Contests

2015 - 2016

- Received Certificate of Distinction for Euclid, Fermat, and CSMC
- Competed against up to 15,000 contestants across the world

Interests

- Enjoy skiing and was a member of Richmond Green S.S. Ski and Snowboard team
- Attained the RCM Grade 9 Piano Certificate
- Enjoy Game of Thrones, movies, and competitive videogames (Overwatch, LoL, CSGO)