

# Seven H. Randall

Halifax, NS • 902-957-7527

[sevenHRandall@gmail.com](mailto:sevenHRandall@gmail.com)

---

## Education

- 2016-2020 – **St. Francis Xavier University**, Bachelor of Science in Computer Science, Minor in Mathematics.

## Projects

- **URL Shortener**, full-stack URL shortener built using the MERN framework. Summer 2020.
- **TimeSlot**, full-stack meeting scheduler built using the MERN framework. Spring 2020.
- **CUDA PSO**, parallel implementation of a Particle Swarm Optimizer using CUDA. Fall 2019.
- **Juvenile Statistical Database**, full-stack java application, built using Oracle SQL and a custom pixel graphics engine. Spring 2018.
- **Java 2D Graphics Engine**, pixel graphics engine, built with JavaFX. 2016 - 2018.
- **Cardea**, C++ graphics engine with an Entity Component System, physics engine, and batch rendering. 2019 – now.
- **BOID Demo**, interactive web demo of a flock of BOIDs, built with Unity. Spring 2020.
- **Tank Combat Demo**, interactive web demo of a tank combat simulation, built with Unity. Spring 2020.
- **Portfolio, and Technical Blog**, 2020 – now. <https://threefourseven.github.io/sevenrandall/>

## Service

- Co-founder of the “Competitive Programming Society”, every week I organized a competitive programming session to spread awareness and educate students in the fundamentals of competitive programming. Jan – Apr 2020.

## Selected Work Experience

- **Student Worker**, North Shore Archives Society. Aided families in locating physical or digital records from the archive and performed system admin work. Summer 2016.
- **Cashier**, Tim Hortons. customer service and time management. Summer 2018.
- **Cashier**, Foodland. Customer service and time management. Fall 2015 – Spring 2016.