Seven H. Randall

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Education

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

Portfolio

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

Skills

- **Programming Languages:** Proficient in Java, C++, C#, Python, shell scripting, and Javascript. Familiar with C, and SQL.
- **Software:** Familiar with Amazon AWS, Visual VM, Postman, Unity, Blender, Git, and Visual Studio.
- **Other:** Proficient in CSS, HTML, and Gradle. Familiar with Junit, and Maven.

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.