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*Carbondale, IL*

# *Sabian (Sim) McElroy*

## *Software Engineer*

## *Experience*

**Java Programmer (2018) –** Step counter application, uses a phone pedometer to track user steps, featuring a scoring system for competitive users to challenge others. Live User tests and Firebase integration for user data.

**C++ Developer (2019) –** Worked with Simple and Fast Multimedia Library (SFML) interface to create simple visual simulations. Created particle simulations, gravity tests, and fluid simulation

**Full Stack Web Developer (2018-2021) –** ReactJS, Node, basic HTML and JavaScript websites created for blogs, ecommerce, and shopping

**Digital Logic Development (2020) –** Creating prototype devices using small computers such as Arduino Uno and Raspberry Pi to create GPS systems with display. Position Data could transfer to google maps to show location history.

**Virtual Reality Developer (2022-2023) –** VR boxing application. Discussed with a client virtual reality fitness application that included a virtual Gym and boxing opponent for active boxing training. Launched Christmas 2022 *https://goldenglovesvr.com*

**Unity C# Developer (2023) –**