Lewis Fox
Lewis@LewisFox.com

Education
- Master of Science in Cybersecurity at the University of Denver
    - August 2018 – Present. Expected Graduation March. 2020
- Bachelor of Science in Computer Science at the University of Denver
    - August 2012 – March 2016

Experience
- Develop for OpenRCT2, an open source rewrite of RollerCoaster Tycoon 2 in C/C++, as a core developer.
    - Contributions include reverse engineering, debugging, feature implementation (including a rewrite of the OpenGL renderer), and implementing and maintaining macOS support.
- Created and develop OpenMC2, an open source reverse engineering and rewrite of Midnight Club 2 in C++.
    - Work on the project primarily involves reading the original game's disassembly, interpreting it, and rewriting it in C++.
    - Work on the project has produced additional results, including a proof-of-concept of code injection from a file-read buffer overflow, a patched version of the original game with new fixes, and a code injection script used by speed-runners for improved timing.
- Junior Developer for RN.D.S. developing an app for use by doctors and nurses in hospitals.
    - Worked on ensuring HIPPA compliance, specifically with how the app handled user data. This includes determining a way of securely storing private messages between users.

Skills

C/C++	JavaScript/NodeJS	Python
X86/x86-64	Ghidra	IDA
Visual Studio	Xcode	GDB

Achievements
- Achieved the rank of Eagle Scout in the Boy Scouts of America – 2012
- 3rd Degree Black Belt in the American Taekwondo Association – 2012

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