Lucas Biery

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Github.com/tiecoon

Education

Rensselaer Polytechnic Institute

    Bachelor of Computer Science   August 2016 – May 2019

                                                (Expected)

Projects

B7 An internal tool used by RPISEC.

    A tool written in rust to perform side channel attacks on certain executables.

    Reasons about program input validation using the instruction count of each execution

Parrot github.com/twizmwazin/Parrot

    Working on creating a Minecraft server alternative rewritten in go

    Working with a small team of developers to understand the protocols involved

    Working with a team and figuring out the complexities of porting a protocol to a new language

Magic Mirror github.com/MrLever/MagicMirror

    A summer project with a friend to collect info from APIs we want and display on a monitor powered by a Raspberry Pi, using HTML CSS and JavaScript.

Interests

    Reverse engineering, binary exploitation, hardware hacking

    System administration, software development

Languages

    C, C++, Rust, Python, Go, JavaScript, LaTeX

Experience

    Member of RPISEC - RPI Computer Security Club

    – Compete in CTFS and help teach skills at weekly meetings

    Participate in wargames in my spare time

    – Wargames are challenges hosted online for you to solve relating to various fields such as, web, crypto, reversing, and pwning which offer opportunities to test my skills and learn.

    – Some wargames I participate in are reversing.kr, Microcorruption, pwnable.kr, and OverTheWire

    – Comptia A+ and Security+ certified

Past Work

Software Developer *Lockheed Martin ATL*   May 2018 – August 2018

    Developed a network proxy for obscuring traffic

Beach Rentals *NationalWaterSports – Clearwater Beach*   May 2017 – August 2017

    Rented and sold umbrellas, and helped customers with jet ski rentals