

Lucas Biery

Bieryl@rpi.edu — (727) 403-3112

[Github.com/tiecoon](https://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 sidechannel attacks on certain executables.

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

Learning skills including, git, and cooperating with other developers

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

Rust, C, C++, Python, Go, JavaScript, L^AT_EX

Experience

Member of RPISEC - RPI Computer Security

– 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 include, reversing.kr, Microcorruption, pwnable.kre, and OverTheWire

Past Work

Beach Rentals *National WaterSports – Clearwater Beach*

June 2017 – August 2017

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

Cashier *Ace Hardware*

June 2017 – August 2017

Worked a retail floor and assisted and checked out customers