

# Kent Gruber

Open source developer with a background in information security research, design and programming. I primarily focus on building libraries and tools for things related to network security, malware analysis, threat intelligence and data visualization.

## GitHub

[github.com/picatz](https://github.com/picatz)

## Twitter

[@KentGruber](https://twitter.com/KentGruber)

## Blog

[medium.com/@KentGruber](https://medium.com/@KentGruber)

## Email

[kgruber1@emich.edu](mailto:kgruber1@emich.edu)

## EXPERIENCE

### **Mahindra Automotive, Michigan — Programmer**

December 2016 - PRESENT

I build internal applications with custom distributed computing and interactive, real-time visualizations using computational fluid dynamic solvers like OpenFOAM.

### **Web & Moore, Remote — Security Analyst**

August 2015 - August 2016

Worked remotely to manage a linux cloud environment, perform on-call incident response, and authored internal security assessment reports for the infrastructure while keeping up with the latests attack trends.

## EDUCATION

### **Eastern Michigan University — Information Assurance**

August 2013 - PRESENT

I am currently working while studying at Eastern Michigan University, studying Information Assurance & Cyber Defense. I've participated in the Information Assurance Student Association for several years.

## PROJECTS

### **Shodanz — [github.com/picatz/shodanz](https://github.com/picatz/shodanz)**

Language: Ruby

A modern Ruby library to the Shodan IoT search engine, replacing the old official Ruby client on the Shodan developer website.

### **Packetz — [github.com/picatz/packetz](https://github.com/picatz/packetz)**

Language: Crystal

Packet capturing library built with C bindings to the LibPcap library used in other tools like Wireshark, Tshark and TcpDump.

### **Isit — [github.com/picatz/isit](https://github.com/picatz/isit)**

Language: Go

Domain availability command-line utility with concurrent lookups.

## SKILLS

Programming

Data Analysis

Interactive Visualizations

Security Mindset

DevOps Mindset

Version Control

## Experiences

### **Conference Speaker**

I've spoken at a handful of mostly local computer security conferences including Bsides Detroit, Converge, YoloCon, and A2Y. *I have pending proposals for a few next year!*

### **Security Competitions**

I've participated in the Collegiate Cyber Defense Competition and the Information Security Talent Search several times. I've even found vulnerabilities in scoring engines for these kinds of competitions and love making my own.

## PROGRAMMING LANGUAGES

Ruby

Python

JavaScript

Go

Crystal

BASH