





Seth Painter

Software Engineer

Personal Info

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 sethpainter.com

 github.com/TheFoxarmy

Skills

Git Project Management

Linux Server Administration

Databases


Accessible Software Design

Creative / Logical Problem Solving

Learning Languages/Tools

Agile Development

3D Asset Pipeline

 Tools

Unreal Engine 4 C++

Jetbrains suite

VS Code

Visual Studio

Languages / Technologies

VueJS Java

PHP NodeJS

HTML5/CSS3 Python

C++ REST APIs

.NET MongoDB

Kotlin NGINX

An eager developer aiming to gain experience and apply my knowledge and abilities meaningfully contributing to software or cybersecurity projects.

Experience

Jun 2019-Present **Cybersecurity Software Engineer Extended Internship**

Lockheed Martin Space

- Created a realtime web control panel for a hypersonic missile simulator with Python/Flask, SocketIO, and HTML/CSS/Javascript
- Built fullstack battery simulator with PythonFlask, SocketIO, and VueJS
- Created CyberTracker, an RMF based Access Application to manage cyber credentials of employees & critical systems
- Wrote bash test/maintenance scripts for THAAD missile launcher to validate critical security features

May 2019 **Server Software Development**

Upwork Freelance Contractor

- Created a server application using Kotlin, ImageJ, and Jetty
- Wrote an algorithm to contrast images and identify the differences between them
- Added implementations for an Android and iOS app

Apr 2019 **Mobile/Desktop Application Development**

Upwork Freelance Contractor

- Created a companion app for WAGUN, a word based board game
- Used LibGDX and Kotlin to deploy to Desktop, iOS, and Android

Jan-Jul 2019 **Game Developer - Smart Response Lite**

BrainTrust LLC Startup

- Intern on an Unreal Engine Game
- Created Level Sequences and Blueprint Logic
- Git management for medium-sized team with AWS CodeCommit

Feb 2018 **HyperCTF Cybersecurity Competition**

3rd Place

Sep 2019 **PicoCTF Cybersecurity Competition**

Placed Top 5% internationally

2018-2019 **CyberPatriot Platinum 3rd Place TN**

Airforce Asociation Cyber Defense Competition

2016-2018 **Game Design Competition**

TN Technology Student Association

- Created "Opposites Attract," a Unity soccer dating simulator
- Programmed dialogue trees and decision structures with C#
- Created "Color Conquest," a java puzzle platformer

Summer 2016 **Created PHP Forum Tutorial Series**

- Produced over 30 free videos
- Taught the fundamentals of PHP programming
- Built a basic, functional forum
- Taught MySQL & relational databases

Education

University of Memphis / B.S. Computer Science

Graduation 2023

- Data Structures
- Information Assurance
- National Federation of the Blind Scholarship