

Foster McLane

Programmer and Amateur Cyber Security Consultant

Contact

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About

I am a computer enthusiast and enjoy almost everything to do with computers, from low-level logic circuits to high-level programming. I am especially interested in embedded programming, operation systems, program security, network security, and network protocols.

Work

Clemson University

Cyber Security Intern

January 2017 — Present

Under Clemson Computing and Information Technology, I analyze Clemson's computer network for potential threats, mitigate current threats, and prevent current threats from happening in the future.

Clemson University

Virtual Reality Intern

January 2017 — Present

Under Dr. Stephen Moysey, I work to bring virtual reality to the university in a variety of ways including setting up VR systems, coordinating generally available VR equipment for students and faculty, and creating demos for VR.

Clemson University

UPIC Intern

January 2016 — December 2016

Under Dr. Stephen Moysey, I research teaching applications of geological sciences field techniques in a virtual reality video game. The game, titled Virtual Reality Field Experiences, will feature a trip to the Grand Canyon where the gamer will learn rock identification techniques and build the stratigraphic column of the canyon.

Clemson University

Undergraduate Student Researcher

January 2015 — May 2016

Under Dr. Yue Wang, I researched quadrotor control algorithms and trust aware manufacturing in the Interdisciplinary Intelligence Research Lab, or I²R Lab.

FoosterNET, LLC

Owner

November 2013 — Present

FoosterNET, LLC is a company I use for freelance work in computer programming, system administration, and amateur cyber security consulting. It additionally sanctions all other services I provide for money including server hosting.

Volunteer

FTC - Star Bots 6170

Robotics Team - Mentor

September 2016 — Present

CU Cyber

Cyber Security Club - Secretary

August 2015 — Present

SC Robotics Education Foundation

Robotics Competition - Field Technical Advisor and Field Inspector

January 2015 — Present

Clemson ACM

Computer Club - Webmaster

September 2014 — Present

Education

Clemson University

Computer Science, with an interest in Education, Math, and Language

July 2014 — May 2018

Bachelor of Science

SC Governor's School for Science and Mathematics

Computer Science

July 2012 — May 2014

High School

Skills

Programming

Master

C

C++

C#

Python

JavaScript

Java

PHP

Virtualization

Master

libvirt

oVirt

Stateless Hypervisors

PXE

Web Development

Proficient

HTML5

CSS3

JavaScript

Semantic UI

PHP

Python

Django

Unix Administration

Master

Website Deployment

Virtual Machines

Networking

General Services

RedHat Enterprise Linux

Ubuntu

Arch Linux

Gentoo Linux

Debian

FreeBSD

Software Development

Master

REST

Robot Operating System

GTK+

Documentation

Proficient

LaTeX

Markdown

VimWiki

Network Security

Master

Cisco

pfSense

Endian

UniFi

Text Editing

Master

Neovim

Vim

Vi

Game Development

Proficient

Unity 3D

Pyglet

Computer Graphics

Beginner

Blender

GIMP

Inkscape

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<https://file.fooster.io/fkmclane/resume.html>

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