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.

FoosterNET, LLC
Owner   November 2013 — Present

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

Clemson University
Virtual Reality Game Development Intern   January 2016 — December 2016

Under Dr. Stephen Moysey, I researched teaching applications of geological sciences field techniques in a virtual reality video game. The game, titled Virtual Reality Field Experiences, features a trip to the Grand Canyon where the gamer learns rock identification techniques and builds 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.

Volunteer

FTC - Star Bots 6170
Robotics Team - Mentor   September 2016 — Present

CU Cyber
Cyber Security Club - Level 5 Tech Support   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 — January 2017

Education

Clemson University
Computer Science, with an interest in Education, Math, and Langauge   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
- Palo Alto
- 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

You can find a JSON version of this document at:
https://file.fooster.io/fkmclane/resume.json