

CURRICULUM

GITHUB DEVPLAYERO EMAIL J@CKOS.IE DATE OF BIRTH 2ND OF JULY 1998 **LOCATION** BLACKROCK, DUBLIN



DUCATION



SECONDARY

KILKENNY COLLEGE

INIVERSITY

COMPUTER SCIENC

TRINITY COLLEGE DUBLIN (2017 - PRESENT) GRADES: FIRST YEAR: I (FIRST), SECOND YEAR: I (FIRST)

PROJECTS



CVos "converts" a PDF into a bootable disk image (based on Linux) which can view itself - while remaining usable as a PDF! This very CV can be booted on bare-metal or in a virtual machine, using either MBR or UEFI. This is possible since the PDF header only needs to appear within the first 1024 bytes. See Github for more.

devplayer0/cvos

HOMELAB

Collection of hardware running a 'home' network (primarily from a Dell R710) with services including custom-built Linux router (nftables + BIND + ISC DHCPD), Ubiquiti AP, 10 gigabit networking, NFS, Kerberos, SMB, CUPS, PXE booting, a Matrix

homeserver and Jellyfin media server amongst others. Powered by Alpine Linux, virtualisation via libvirt with KVM and containerisation with Docker and LXD.

DOCKER DHCP PLUGIN



Docker plugin providing a network driver which allocates IP addresses (IPv4 and optionally IPv4) via an existing DHCP server (e.g. a router). When configured, can allow a for

container to be accessed on an existing network like any other box. Used extensively in homelab.

devplayer0/docker-net-dhcp

WEBSPACE-NG

Platform for containerised webspaces. Webspaces allow members of a community (such as a university) to host their website on shared infrastructure. Traditionally, a subdirectory is provided to each user with support

for some server-side scripting (e.g. PHP). webspace-ng brings the webspace idea into the modern era with every user getting a VM-like container (provided by LXD). SSL is fully supported with SNI-based transparent proxying, or via SSL termination on the default subdomain.



🚺 netsoc/webspace-ng

SOCKIT



Sockit provides a Lua firmware (using NodeMCU) and a Flutter-based app for controlling a smart socket which is powered by an ESP8266 microcontroller. It was designed for use with the Sonoff range of products enables zero-configuration usage using multicast networking (once WiFi details have been saved).

devplayer0/sockit

OPENET

2018 INTERNSHIP

Three month summer intern- A further three months, this ship as a member of the Labs team. Significant role realising the design of Openet's new 5G platform, upon which upcoming products are based.

2019 INTERNSHIP

time on a core engineering team designing and building a key 5G component based on the new platform built in

TECH SKILLS

PROGRAMMING

EXTENSIVE KNOWLEDGE

Java Python

Assembler

Rust

HTML & CSS

Unix shell

TOOLS / FRAMEWORKS

A WIDE RANGE



SYSADMIN

SIGNIFICANT OS EXPERIENCE



experience managing Extensive numerous systems running Arch Linux for approximately 4 years, Debian and Ubuntu in years prior. Very familiar with use of the command line.

Power user of Microsoft's operating system for many years, some experience with Active Directory. Experience using command line (including some PowerShell).



macOS

Built and maintained a Hackintosh (regular PC running Apple's OS) for over a year.

ACHIEVEMENTS *



ECSC 2019

EUROPEAN CYBERSECURITY CHALLENGE - TEAM IRELAND **MEMBER**

BSIDES BELFAST CTF 2018 AND 2019 2ND PLACE WINNER

ZERODAYS CTF

OVERALL WINNER (TCD TEAM) - 2018 AND 2019

HACKTRINITY CTF

2018 OVERALL WINNER AND 2019 PRIMARY CHALLENGE

BTYSTE 2015 INDIVIDUAL RUNNER-UP AND GOOGLE AWARD

APPS4GAPS 2014

BEST WORKING APP AND OVERALL WINNER

EXPERIENCE



TRINITY COLLEGE DUBLIN

NETSOC (SOCIETY)

Comittee member (general officer in 2017-18, webmaster in 2019). Junior sysadmin from early 2018, primary sysadmin since 2019. Responsibilities include managing Netsoc's online presence, as well as managing a number of physical servers located in TCD and their services (LDAP, webspaces, mail etc.)