Curriculum Vitae- ethull

Personal Details

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Profile

I am Computer Science Undergraduate with experience in solving IT related problems, using both newly coded solutions and pre-existing tools. I'm familiar with a wide range of programming languages, software applications and Linux terminal tools. I am keen to enhance my IT and business skills further.

Education

[Certs available upon request]

School

GCSEs: English language [7], English lit [7], maths [8], Core science [A], Additional science [A], Business Studies [A], D&T Electronic Products [A], Geography [A], Computing [A]

AS levels: Geography [A]

A levels: Computer Science [C], Maths [C] and Business Studies [B]

Degree: Computer Science first year student

Other certifications

BCS Level 2 ECDL cert in IT application skills (QCF), [Distinction *]
Cyber-start essentials certification of achievement

Experiences, achievements and projects

Personal website

I built my own website and blog using Jekyll deployed by GitHub pages.

Linux enthusiast

Have used the Linux OS for 2 years, through this I have picked up familiarity with the Unix tools and filesystem, and can troubleshoot Unix system problems. Will occasionally try new systems via VMs or on hardware with verified ISOs and manual hard-disk partitioning.
(See Skills → Tech Skills → Linux)

JPP

I developed a prototype management software program for a dog grooming business.
The web app utilises Nodejs run-time environment for front/back end.
Front-end framework: react (create-react-app)
Back-end: API using an Expressjs server with PostgreSQL connections for CRUD operations.

Malware removal

After receiving a system-breaking malware delivered via trojan backdoor, I learnt to detect and
remove malicious software from within and outside windows with the help of various tools.
Including: sys-internals tools, anti-virus, firewall, bootable rescue systems and recoverable media

Learning Vim

I learnt a modal text editor with a high learning curve called Vim. This text editor uses different key-
bindings to increase productivity and it doesn't require a mouse. To configure the bare bones Vim I
learnt to implement many IDE features and troubleshoot plugins.

Personal Wiki

When learning skills, I create a summary markdown file that contains abstracted content, its arranged
for efficient retrieval of attributes. Allowing me to memorise the skills and have a future reference.

Cyber Security

I picked up cyber security skills and practises after taking on the GCHQs Cyber Start program, going
through the simulated challenges.

Huntr

After a hackathon run by members of Huntr, I started solving bug bounties displayed on their website.
You select a bounty, clone the vulnerable repo, fix the bug/vulnerability and submit a pull request
back to Huntr for a reward. Through this I have learnt how to build less vulnerable software.

Raspberry pi (in progress)

Involves setting up a headless Raspberry pi to run servers.
Use PWM and python to control pi fan spin speed.
Setup Jellyfin media server and PaperMc (Minecraft) servers in docker containers.

Work experience

2016 June-July: ABC Computers in Bromley

Role and responsibilities included IT solutions assistant, repair and commerce of IT equipment. This
included designing and building computers for customers. I also gained experience in using
commercial software packages and processes to maintain customer computers.

2018 June-August: TrainAsOne in Norfolk

Role and responsibilities included CEO assistant and on the job training in JavaScript and
PostgreSQL skills to aid further development of the TrainAsOne training AI application.
Before the work experience, I worked for two years as a beta tester for the TrainAsOne company.

Skills

Through my school education, work experience and home independent learning, I have managed to pick up and further improve many IT and business related skills.

General skills

Fluent English language skills with the ability to write reports and review work
Problem solving skills, resource abstraction
Independent learning: pick up new languages/frameworks quickly
Adaptability: adapt to different technologies or environments

Language skills

Package managers: Bundler (Ruby), Npm (nodejs), Pip & Virtualenv (Python)

Data interchange formats: YAML, JSON, CSV, XML

Markup languages: HTML5, CSS, markdown, SQL (PostgreSQL, MySQL, Sqlite3)

Scripting languages (dynamically typed): Python, JavaScript, PHP

Compiled languages (statically typed): Java

Command languages: shell script (Bash)

Industry frameworks: React.js

Learning: LaTeX, C

Version control: Git CLI and workflow

Tech skills

Linux: package manager (apt, pacman), init system (systemd, systemv), disk partitioning (GPT, MBR), patch and compile c code, troubleshoot/repair: bootmanager (grub), chroot, network.
Windows: System maintenance and security, Microsoft word processing apps, Sys-internals tools, de-bloating windows
OS installation: virtual machines, burn ISOs and booting from them, hash checksums and GPG signature checking

Current membership of professional body

Member of Institute of Engineering and Technology (IET)

Hobbies

Fitness: endurance running, mountain biking, gym, DIY

Unix operating systems: trying new minimalist software, and trying to improve efficiency/automation of daily computer workflow

hardware: Raspberry pi servers

if you have any ideas to help me improve my resume please email me