Curriculum Vitae- Ethan Hullett

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 maintaining various Operating Systems. 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 and achievements

Jo's Pampers Pets (JPP) business management software

I developed a prototype management software program for a dog grooming business.
Process: Utilised the Python libraries SQLite3 and tkinter for the task. This job enabled me to gain experience in:
i)   Package management skills (PIP, Virtual environment)
ii)   Setup system environmental variables to reduce reliance on IDE.
iii)   Learn source control using Git CLI and GitHub to ensure a working version of the program was maintained.

Further JPP

To meet increasing requirements of JPP, I migrated the previous software into a web app, this allows the client to connect to the business through the internet regardless of device.
The app utilises Node.js run-time environment, using 3rd party Npm packages with GitHub repos to

get the functionality the client wanted.
Front-end framework: create-react-app
Back-end: API using an Express.js 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: Sysinternals tools, anti-virus, firewall, bootable rescue systems and recoverable media

Linux enthusiast

Have setup Unix within virtual machines on windows and Linux hosts, as-well as on hardware with verified ISOs and manual hard-disk partitioning. Through this I have picked up familiarity with the Unix tools and filesystem, and can troubleshoot Unix system problems.

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.

Resource Summaries

When learning skills, I create a summary document that contains abstracted content, its arranged for efficient retrieval of attributes. Attributes are stored with a brief description so someone that already understands the concepts can quickly pick up commands.

Cyber Security

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

<u>Work experience</u>

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.

<u>Skills</u>

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

Python: PIP, Virtualenv
web: HTML, CSS, JavaScript, Node.js, React.js framework, flexibility to learn different hosting
providers CLI tools
SQL: SQLite3 and PostgreSQL experience, management with a GUI and/or CLI
Windows DOS and Unix shell
Version control: Git CLI and GitHub within the browser, git workflow

Tech skills

Linux: System maintenance (firewall, malicious software, package management)
Windows: System maintenance and security, Microsoft word processing apps, Sysinternals tools, de-
bloating windows
OS installation: virtual machines, burn ISOs and booting from them, hash checksums and GPG
signature checking

<u>Hobbies</u>

Fitness: endurance running, mountain biking, gym, DIY

Unix operating systems: trying new minimalist software, distro hopping