George Honeywood

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Full stack engineer, particularly interested in DevOps. Currently studying CS at Royal Holloway.

Education

Higher

Royal Holloway, University of London

📅 September 2019 – Present

- 2nd year of BSc. Computer Science, predicted 1st

A-Levels

Bournemouth School Sixth Form

📅 September 2017 – August 2019

- Computer Science (Grade B), Geography (Grade B), Resistant Materials (Grade C), and Physics (Grade D)

GCSEs

Bournemouth School

📅 September 2012 – June 2017

- 6 subjects at A* to A grade, including Computing & Sciences
- 5 subjects at B grade

Experience

Junior Systems Administrator

Royal Holloway Physics Dept.

📅 Oct 2019 – Present   📍 Egham, Surrey

- Migrated from legacy Nagios monitoring system to Icinga to ensure service continuity. This included setting up Icinga Director, which allows new hosts to be added through a web interface.
- Designed a bespoke Icinga plugin for tracking the availability of server Power Delivery Units (PDUs) using Python.
- Installed & imaged rack mounted servers for use within a Hadoop compute cluster
- Utilised `nmap` to search for intrusions into the network

Shop Assistant

Stone Family Butchers

📅 May 2018 – Mar 2019   📍 Ferndown, Dorset

- Interacted with customers on the shop front.
- Cleaning and ensuring a hygenic environment.
- Hosted and administrated a small company website, making use of Google Cloud Compute, Wordpress, and Cloudflare to ensure a responsive experience.[1]

*References available on request.

Interests

- Volunteered with the Scouts as a Young Leader
- Using free and open-source software
- Editing OpenStreetMap (usually using JOSM)
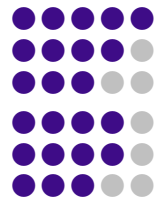- Amateur photography

[1]stonefamilybutchers.co.uk

Skills

Linux	●●●●●
Git	●●●●○
Ansible	●●●○○
Python	●●●●○
Java	●●●●○
Javascript	●●●○○

Projects

The Good Map

- Collaboratively developed a cross-platform mobile app (in Flutter) to allow people to find local environmental friendly/vegan establishments, using data from OpenStreetMap.[a]

Employee Appraisal System

- Worked as part of a 4 person team to create a web app, designed to evaluate employees of a company.
- Developed an API in Flask to conform the Requirements Specification and Design Description.
- After development was completed, wrote an Acceptance Testing report, for a delivered solution from another team.

Hackathons

- **Paster** - designed a hackathon winning pastebin tool, using JavaFx, as part of a team of 3.
- **Metamap** - developed an location based social media app for Android, with the concept of only showing posts within a certain radius of the user.[b]

Homelab

- I administrate a headless server which hosts utilities and storage for the the network. It uses Promox VE as a hypervisor, with ZFS to provide the backing storage.
- Each service runs in a separate LXC container, to ensure isolation & security. It also enables me to safely update programs, as you can roll back if issues occur.
- I use NGINX as a reverse proxy, to allow external access to internal services, such as a Nextcloud instance.

VPS

- I use a small VPS to run other services, like Gitea, which is used to host Git repositories for projects that I am developing.
- As it has a relatively fast connection, I also use it as a VPN (through WireGuard) to protect my traffic on unsecured Wi-Fi.

[a]github.com/GeorgeHoneywood/thegoodmap/
[b]github.com/JoeRourke123/metamap/