Max Levine

Curriculum Vitae

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PROFILE

An enthusiastic and hardworking **Computer Systems Engineering** graduate from the **University of Warwick**. Interested in enterprise computing, software development, and infrastructure. Currently employed at **Morgan Stanley** as a **Data Infrastructure Engineer**.

EXPERIENCE

Data Infrastructure Engineer — **August 2020 - Present**
Morgan Stanley
Completed a 15-week bespoke training course covering a wide range of infrastructure and development areas. Concluded this training with a four week project deploying a load-balanced Redis data store behind a Flask API on a container infrastructure.

Summer Analyst — **June 2018 - August 2018**
Morgan Stanley
Developed a Python script to build and run instances of Sybase ASE database servers. The script ran either locally or, using the Treadmill API, on cloud-based containers. A range of configuration options were implemented and appropriately validated. Developed skills in Python, knowledge of containerisation theory, and experience of a long term project for clients.

Summer Camp Leader / Senior Leader — **Summer 2015 - 2019**
Noam Masorti Youth
Volunteered as a leader on a summer camp for a group of around 70 children. This involved supervising them throughout the day, planning programmes, leading activities and dealing with any problems arising. Gained skills in leadership, co-operation, welfare and discipline. In recent years a more senior role was held, involving directing other leaders and providing more focused welfare assistance.

EDUCATION

The University of Warwick — **September 2016 - July 2019**
BEng Computer Systems Engineering (2:1)

The Latymer School, Edmonton, London — **September 2009 - July 2016**

A2 Levels	3 As (Maths, Further Maths, Physics)
AS Levels	1 B (Geography)
GCSEs	1 A*, 8 As, 2 Bs

PROJECTS

Final Year Project — **October 2018 - May 2019**
Involved: BibTex, FPGA, Git, GitHub, LaTeX, Mininet, Network Switches, Python, Travis CI, Ubuntu
Modelling Smart Field-Programmable Gate Array Switches in the Network.
Created an open-source Python application for modelling network topologies containing FPGA-based smart switches. Both the project report and code are publicly available at *maxlevine.co.uk*.

Warwick Student Cinema, IT Officer — **February 2017 - March 2019**
Involved: Active Directory, CSS, Debian, Docker, Firewalls, FreeNAS, Git, GitHub, HTML, Hyper-V, Jenkins, MySQL, Network Switches, Linux, pfSense, PHP, PostgreSQL, Servers, SQL, Ubuntu, Veeam Backup and Replication, Windows, Windows Server, Windows Deployment Services
While serving as Warwick Student Cinema's IT Officer, made significant contributions to infrastructure and codebase, as well as providing user support. This included managing physical servers, virtual machines, containers, an active directory for over 50 users, firewalls, an internal network with VLANs and Wi-Fi, a network attached storage (NAS), databases, an electronic point-of-sale (EPOS) system, a large PHP-based website, and more.

Personal Website — **October 2019**
Involved: AWS, Bulma, CSS, Docker, Flask, Git, GitHub, HTML, MySQL, Python, SQLAlchemy
Designed and developed personal website in Python using the Flask web framework and the Bulma CSS framework. Initially deployed with a MySQL database to AWS to gain experience with cloud-based infrastructure, before transitioning to a self-hosted Docker-based deployment.

REFERENCES

Available on request