

Hisham Al-Harrasi

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OVERVIEW	Final year Cyber Security BSc student at the University of Warwick. Enthusiastic about learning new things, and looking for opportunities to expand my experience and knowledge in the world of computing.
EDUCATION	University of Warwick - <i>Cyber Security BSc</i> , 2019-2022, 1:1 Expected on Graduation University of Warwick - <i>International Foundation Programme Science & Engineering</i> , 2018-2019 The Sultan's School - <i>International Baccalaureate</i> , 2016-2018
EXPERIENCE	Front End Developer <ul style="list-style-type: none">• Developed the front end to a remote farm management system using Javascript React. The project involved transferring sensor data from various remote farms to the front end so that users can examine, analyse and respond to changes appropriately• Utilized modern development techniques and technologies such as JWT's, Web-Sockets to create a fast, secure and responsive application Docker Container Hardening & Security <ul style="list-style-type: none">• Developed seccomp profiles for multiple container images which reduced potential attack vectors by over 76.5%, whilst still functioning with 100% capability Proof of Concept Public Key Infrastructure <ul style="list-style-type: none">• Developed a proof of concept public key infrastructure with root certificate authorities and appropriate chains of trust through intermediary CA's using OpenSSL Blockchain Application <ul style="list-style-type: none">• Created a blockchain project using C++ to demonstrate various aspects of developing and using a blockchain application, including mining Network Security Testing Toolkit <ul style="list-style-type: none">• Developed a local network security testing toolkit which could be used to test the viability of the ARP spoofing attack on local networks. The packet manipulation library Scapy was used, and a system independent desktop GUI was created using Javascript Electron
SKILLS	C/C++, Python, Javascript, React, HTML & CSS, PostgreSQL, MongoDB, Docker and Container Security, Public Key Infrastructure & X.509, Linux Administration, Penetration Testing, Malware Analysis & Machine Learning
AWARDS	One of the top 2% of students who was awarded a fully paid scholarship by the Ministry of Higher Education of The Sultanate of Oman to study in the United Kingdom
ACTIVITIES	Member of Cyber Security Society & Peer Mentor for International Foundation Programme & First Year Computer Science Students at the University of Warwick.