

Nathan Dunne

1 intro

I am a student of Computer Science at The University of Warwick, moving into my final year in 2019 having taken an intercalated year to work as a Software Development Intern at Sophos. I consider myself a dedicated and hardworking student, with a positive attitude and a desire to improve that helps me to quickly develop new skills. Currently I am looking for a graduate position for 2020, and hope to find somewhere that will continue to challenge me after university, and allow me to use and expand on the knowledge and skills I have gained over the course of my degree.

2 Results

Second Year University of Warwick	1st (72%)	June 2018
Database Systems (81%) Software Engineering (79%), Adv. Computer Architecture (78%)	1st (72%)	June 2017
First Year University of Warwick		
Discrete Maths (85%), Design of Information Structures (76%), Intro to Java (72%)		August 2016
Advanced Level The City of London Freemans School (CLFS)		
Maths (A*), Computing (A), Physics (A), Electronics (A) [Advanced Subsidiary]		August 2014
General Certificate of Secondary Education The City of London Freemans School (CLFS)		
11 GCSEs at A*-B, of which 7 at A* including Mathematics, Additional Mathematics and English Language		

3 Employment

Software Engineering Intern ARM Ltd.	June 2019 - August 2019
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- Assigned to the Clamshell team to work on optimisation of the chromium web browser.
- Took over an investigation from a graduate into Automatic Feedback Directed Optimisation, and how it could be applied to chromium for performance increase through providing branch information to the compiler.
- This required me to become familiar with building the Linux Kernel, to enable support for hardware tracing, and use an ARM hardware development board for the majority of my work. I also expanded my debugging knowledge with gdb/gdbserver, carrying over what I had learnt at Sophos and expanding on it.

Software Engineering Intern Sophos Plc.	July 2018 - June 2019
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- Assigned to the Fasttrack team to work as Development for Global Escalations Support.
- Investigated customer and internal product issues when code analysis or a higher level of technical understanding was needed, requiring me to learn a number of Windows Debugging tools, as well as quickly become familiar with new code bases in .Net, C++ and C for different components.
- Root causes were identified through live or static debugging, and analysis of logs generated by the product itself as well as troubleshooting tools e.g. Sysinternals, WireShark. In cases where a genuine bug existed I was sometimes able to implement fixes for the team that owned the product.

4 Technical Skills