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Nathan Dunne

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.

Results

Second Year	June 2018
First Year	June 2017
Advanced Level	August 2016
General Certificate of Secondary Education	August 2014

Employment

Summer Intern Embedded Software Engineer   June 2019 - August 2019
ARM Ltd.

- 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.

Placement Year Software Engineer   July 2018 - June 2019
Sophos Plc.

- 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 where 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.

Technical Skills

Programming	Scripting	Source Control	Operating Systems	Productivity	Debugging
C++/C	Bash	Git	Windows	Visual Studio	gdb
Python	PowerShell	Perforce	Linux/UNIX	Microsoft Office	WinDBG
Java	Lua			LibreOffice	SysInternals
JavaScript				LaTeX/BibTeX	WireShark

Volunteering

Project Leader   October 2016 - June 2018
Warwick Technology Volunteers

- Planned, coordinated and lead sessions for school age students aimed at inspiring them to utilise technology creatively rather than simply consuming it. Our sessions involved either Scratch or Arduino as a platform, and usually consisted of assisting the students through a set of resources weve created.

- Also advertised the project to fellow uni students to gain more volunteers and run more sessions, and provided training for the volunteers, to ensure a sufficient level of technical knowledge for them to lead school sessions themselves.

- This greatly improved my confidence, communication, presentation giving, and teamwork & leadership skills.

Interests

- **Rock Climbing**
  Indoor Rock Climbing and Bouldering

- **Charity Fundraising** (Warwick RAG)

3 Peaks challenge:	>£600 for *The Meningitis Research Foundation*
Mount Kilimanjaro:	>£3400 for *The Meningitis Research Foundation*
Skydive:	>£400 for *Alziemers Research UK*

- **Powerlifting**
  Warwick Barbell Member 2018 - present

- **Technical Theatre**
  Lighting design for productions of *Speed Death of the Radiant Child*, *Cabaret*;
  Executive Committee member for Warwick Tech Crew 2017-2018.

References

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