24 Ottways Lane, Ashtead, Surrey, KT21 2NZ
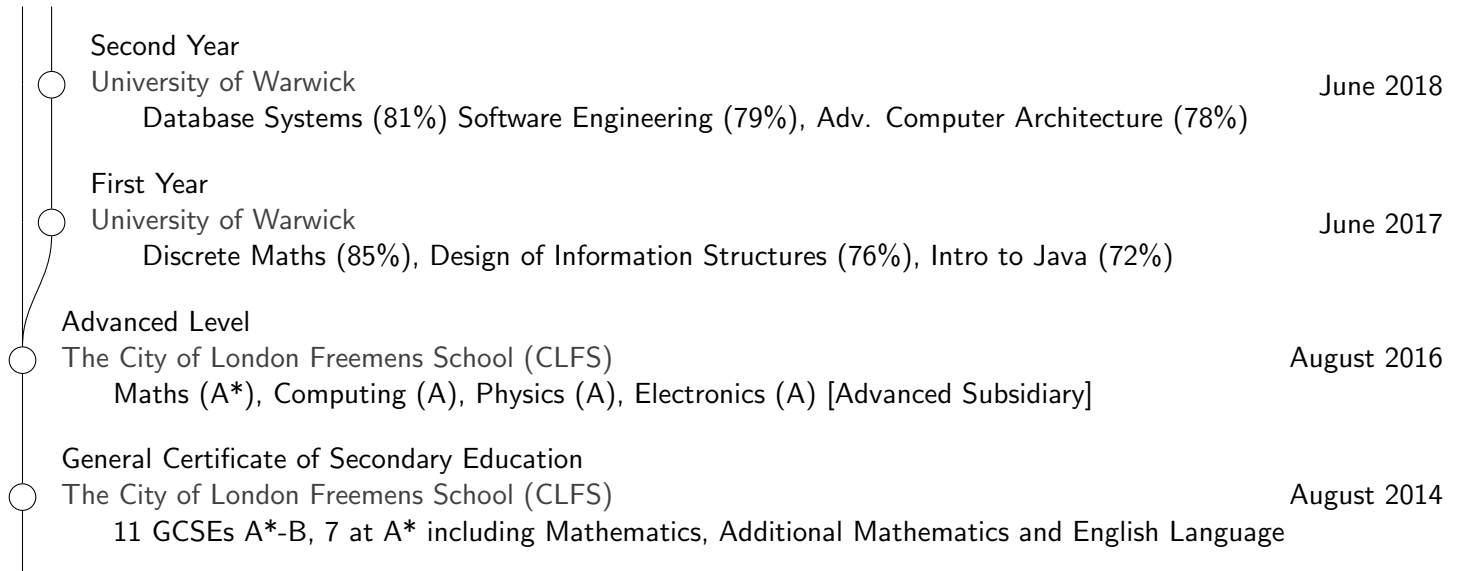N.Dunne@warwick.ac.uk — 07473451007

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.

Education

Second Year
University of Warwick June 2018
Database Systems (81%) Software Engineering (79%), Adv. Computer Architecture (78%)

First Year
University of Warwick June 2017
Discrete Maths (85%), Design of Information Structures (76%), Intro to Java (72%)

Advanced Level
The City of London Freemens School (CLFS) August 2016
Maths (A*), Computing (A), Physics (A), Electronics (A) [Advanced Subsidiary]

General Certificate of Secondary Education
The City of London Freemens School (CLFS) August 2014
11 GCSEs A*-B, 7 at A* including Mathematics, Additional Mathematics and English Language

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 a Google framework that could allow greater performance for the chromium binary based on its branching patterns.

- This required me to become familiar with building the Linux Kernel, gain a deeper understanding of benchmarking the performance of software, 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 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

Dr. Matthew Leeke
Department of Computer Science
University of Warwick
Tel: +44 (0) 2476523366
E-mail: matthew.leeke@warwick.ac.uk

Dr. Arshad Jhumka
Department of Computer Science
University of Warwick
Tel: +44 (0) 2476573780
E-mail: h.a.jhumka@warwick.ac.uk