Flat 2, 129 Kings Cross Road, London, WC1X 9BJ
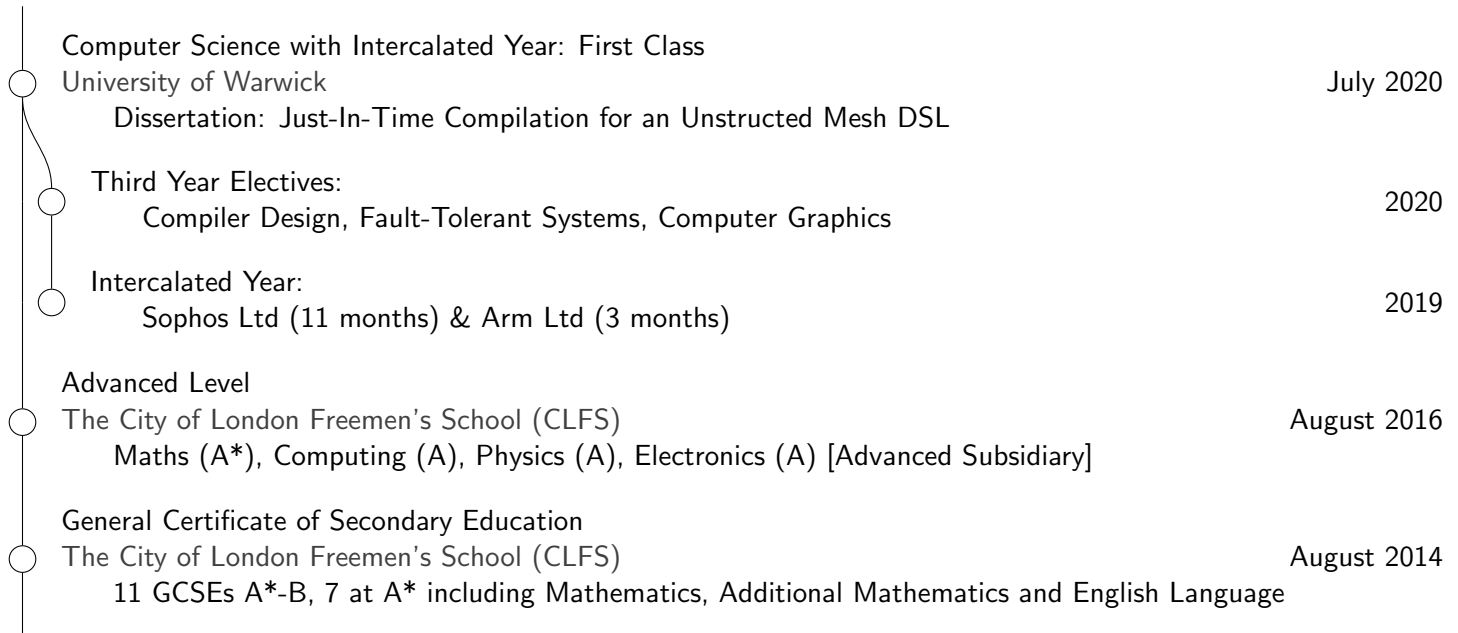24NDunne24@gmail.com — (+44) 07473451007

Nathan Dunne

I am a graduate of Computer Science from The University of Warwick, finishing in 2020. During my course I took an intercalated year to work as an Intern at Sophos Ltd, and at Arm Ltd. Since graduating I have been working in the Open Source Software division of Arm Ltd.

Education

Computer Science with Intercalated Year: First Class
University of Warwick   July 2020
   Dissertation: Just-In-Time Compilation for an Unstructed Mesh DSL

Third Year Electives: 2020
   Compiler Design, Fault-Tolerant Systems, Computer Graphics

Intercalated Year: 2019
   Sophos Ltd (11 months) & Arm Ltd (3 months)

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

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

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Employment

Graduate Open Source Software Engineer   August 2020 - Present
ARM Ltd.

- Rotated between several teams in Open Source Software, for 8 month periods.

- Projects included:
  - Optimising linear algebra routines in C++ and aarch64 assembly for high-performance maths libraries
  - Generating bootable images for automotive with Yocto
  - Working on an LLVM compiler for an upcoming ARM hardware platform.

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

- Took over an investigation from a graduate into a Google framework that resulted in greater performance for Chromium users on ARM platforms based on branching patterns.

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

- 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.

Technical Skills

Programming	Scripting	Source Control	Operating Systems	Productivity	Debugging
C++/C	Python	Git	Linux/UNIX	Visual Studio	gdb
Java	Bash	Perforce	Windows	Microsoft Office	WinDBG
JavaScript	PowerShell			LibreOffice	SysInternals
Ada	Lua			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 we've 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
  Warwick Climbing Club Member 2016 - 2020

- **Charity Fundraising** (Warwick RAG)

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

- **Powerlifting/Olympic Weightlifting**
  Warwick Barbell Member 2018 - 2020

- **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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