Ray Garner

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Education and Qualifications

☐ Second year Computer Science BSc student at the University of Nottingham
☐ RSL Grade 8 electric guitar
☐ A, A, B in A-Level Computer Science, Music Technology and Music through Wigston College
☐ 11 GCSEs A*-B through Guthlaxton High School

Software Tools Experience

Software development	vim, gcc, gdb, ghc, vscode, Eclipse IDE, JUnit testing, MATLAB, Visual Studio, Chrome dev tools, git, make
Multimedia	Reaper, Cubase, Ardour, ffmpeg, Audacity, Avid Sibelius, Musescore, GIMP, Blender
Network tools	netctl, ftp, ssh, Citrix Receiver, VMware Horizon
Design	Google SketchUp, Circuit Wizard
Languages	C, ARM asm, Java, Haskell, MySQL, JavaScript, PHP, VB.NET, shell script
Markup languages	HTML, CSS, LaTeX, Markdown
Operating systems	Arch Linux, Debian Linux, Windows 7 onwards, macOS Sierra onwards

Software Development Experience

☐ For A-Level Computer Science coursework I created a primitive chess engine in VB.NET for the college chess club
☐ During the first year of my degree I completed various assignment exercises to gain experience with C, ARM asm, Java and Haskell.
☐ I also created a film database website using HTML, CSS, JavaScript, PHP and MySQL for the coursework in the databases and interfaces module in year 1 of my degree
☐ For the first group work module of my degree, me and my team created JUnit tests to debug a faulty finance management app. We used git for version control during this project.
☐ During the UK summer lockdown of 2020, I wrote a more advanced chess engine in Haskell with a friend on the same degree course. I later wrote a version of the same program in C, with superior efficiency.
☐ I have written shell scripts to automate the instillation and configuration of Arch Linux to my preferences and also to create a multi-track recording tool, using ffmpeg and mpv.

Musical Experience

☐ Lead guitarst in Leicester alt-rock band "The Scrubs"
☐ Lead guitarist in the Wigston College Jazz Band
☐ Choir member in "The Armed man: A mass for Peace" at the Royal Albert Hall
☐ Guitarist in Rhys Chatham's "A Secret Rose" Birmingham Town Hall performance
☐ Recording technician for Wigston Academy Trust GCSE Music recitals
☐ Lead guitarist and co-producer in Leicester math-rock band "PE Department"
☐ Session guitarist for friends and students

- ☐ Pit band guitarist for the shows: Joseph and his amazing Technicolour Dreamcoat (Abington High School), Little Shop of Horros (Guthlaxton High School), Annie (Wigston College), School of Rock (Wigston College), Cats (The Little Theatre)
- ☐ Composed and produced western classical and glitch-pop pieces for A-Level Music and Music Technology using Sibelius and Cubase
- ☐ Composed and produced electric guitar oriented pieces as a hobby using Reaper

Perfectcast Ltd Work Experience

- ☐ Laptop hardware upgrades
- ☐ Corporate laptop imaging
- ☐ Cisco video conference system installation
- ☐ Blender renderfarm setup
- ☐ End-user and network IT support