

# Ray Garner

ray@perfectcast.co.uk   raygarner.co.uk

## Education and Qualifications

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- ☐ Studying Computer Science BSc at the University of Nottingham
- ☐ Passed RSL Grade 8 electric guitar with merit
- ☐ Achieved A, A, B in A-Level Computer Science, Music Technology and Music through Wigston College
- ☐ Attained 11 GCSEs A\*-B through Guthlaxton High School

## Software Tools Experience

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

## Software Development Experience

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- ☐ Created a primitive chess engine using VB.NET for A-Level Computer Science coursework for the college chess club
- ☐ Completed various assignment exercises to gain experience with C, ARM asm, Java and Haskell during the first year of my degree
- ☐ Set up a film database website using HTML, CSS, JavaScript, PHP and MySQL for the coursework in the databases and interfaces module in year one of my degree. I now maintain raygarner.co.uk as a portfolio using skills I learned from that project
- ☐ Wrote JUnit tests to debug a faulty finance app in the first group work module of my degree and also used git for version control
- ☐ Programmed a more advanced chess engine in Haskell with a university colleague during the UK summer lockdown of 2020 and later developed a faster version of the program using C
- ☐ Developed shell scripts to automate the installation and configuration of Arch Linux to my preferences
- ☐ Created a shell script wrapper for mpv and ffmpeg to create a multi-track recording tool

## Perfectcast Ltd Work Experience

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- ☐ Upgraded laptop hardware
- ☐ Performed corporate laptop imaging
- ☐ Installed Cisco video conference system
- ☐ Set up a Blender renderfarm
- ☐ Carried out end-user and network IT support

## Musical Experience

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- ☐ Performed as lead guitarist in Leicester alt-rock band “The Scrubs” and in the Wigston College Jazz Band
- ☐ Sung in the choir in “The Armed man: A mass for Peace” at the Royal Albert Hall
- ☐ Played guitar in Rhys Chatham’s “A Secret Rose” Birmingham Town Hall performance
- ☐ Recording technician for Wigston Academy Trust GCSE Music recitals
- ☐ Worked as lead guitarist and co-producer in Leicester math-rock band “PE Department”
- ☐ Session guitarist for friends and students
- ☐ Played as the guitarist for the shows: Joseph and his amazing Technicolour Dreamcoat (Abington High School), Little Shop of Horrors (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

**References available on request**