

# Will Russell

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## Education

**BSc Computer Science** | University of Birmingham (2018 to 2021). On track for a 2:1.

2:1 (67%) in First Year, with 90% in Data Science for Everyone, 80% in Data Structures and Algorithms, 78% in Programming in Java.

**A Levels** | Hinchbrook Sixth Form (2016 to 2018)

Mathematics: A, Computer Science: A, Physics: B, Extended Project Qualification: B

**GCSES** | Longsands Academy (2011 to 2016)

6 As, 3 Bs, and 1 C, including A in Maths, and C in English Language.

## Full-Time Work Experience

**Platforms Hardware Engineer** | Arm Ltd (June 2019 to September 2019 | *3-month internship*)

- Creating Python drivers for the Arm MPS3 FPGA Prototyping Board memory chip controller, and lab instruments for automated testing.
- Created the teams Jenkins CI/CD server for testing development boards with Windows and Linux.
- Lead of the winning team of the Intern Challenge.

**Electronics Engineer Student** | Arm Ltd (July 2017 | *1-week work experience*)

- Automated a temperature controller using Python and the modbus serial communication protocol.
- Learnt how to work with unfamiliar tools, such as modbus, and Python.

**Electronics Engineer Student** | Arm Ltd (July 2015 | *2-week work experience*)

- Worked independently with the Arm mbed platform.
- Created a GPS Compass Arduino which displayed a compass needle on an LCD.

## Part-Time Work Experience and Volunteering

**Director of Outreach** | HackTheMidlands (May 2019 to present | *volunteering*)

- Managing different teams, including outreach, schools, and safeguarding.
- On the day coach/advisor for the event, helping resolve problems and helping hackers with their code.

**STEM Ambassador** | STEM Learning (August 2019 to present | *volunteering*)

- Spreading awareness of tech opportunities to schools.
- Running talks and workshops for schools to teach kids how to use libraries and tools.

**Mentor** | Arkwright Engineering Scholarships (November 2019 to present | *volunteering*)

- Helping students with university choices, and career paths.
- Encouraging students to get more involved with technology opportunities around the UK.

**AV Technician** | Levitation Events (2015 to present | *part time work*)

- Work in a small team to setup equipment under time pressure.
- Running audio, video, lighting during performances.
- Currently running the ceremonies and presentations for hackathons around the UK.

**RYA Dinghy Instructor** | Paxton Lakes Sailing Club (2016 to present | *part time work*)

- Developed great communication, and teamwork, and leadership skills.
- Responsible for managing assistant instructors teaching children and adults sailing.
- Powerboat Level 2 license and first aid trained.

## Technical Skills

- **Fluent in:** Python | Java | Git | Linux | Raspberry Pi
- **Experience with:** C# | Jenkins CI | Haskell | C | Flutter | Android (Java) | Jekyll | HTML | CSS.
- Favourite **text editor:** Visual Studio Code.