

# Benjamin Hoskings

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## Coding Projects

**Emotion Recognition Framework** **MATLAB + Python** **2022-Present**

- Produced a novel facial emotion recognition framework with state-of-the-art accuracies.
- 10-page feasibility study and 40-page technical report both obtained high first grades.

**Retail Intelligence Application** **R + Shiny** **2023**

- Extensive data engineering on real world data to combine data from multiple sources.
- Intuitive shiny application for non-technical business teams to visualise results.

**Sports Team Analysis Application** **Python + Shiny** **2023**

- Web dashboard for coaches to analyse team performance using data from the Strava API.

### Smaller Projects

- Have undertaken multiple smaller projects utilising Swift, C, Bare Metal C and Arduino.

## Employment History

**Applied Data Scientist Internship, Teva Pharmaceuticals** **July-Sept 2023**

- Rapid uptake of a new coding language (R + Shiny) to produce high quality output.
- Interdisciplinary project with multiple teams on a global scale; the project involved business, marketing and data science teams in the UK, Germany and Poland.
- Presenting my project to global leaders of a multi-billion dollar company.

**Software Development, Discover Corporation** **2020**

- Developing software used for Novartis oncology reporting.
- "Excellent standard of work, comparable to other full-time employees" – Managing Director.

## Education

**University of Warwick** **Meng Systems Engineering** **2020-2024**

Expected to obtain a First-Class Honours Degree.

**Millfield School** **2012-2020**

- A-Levels: Maths (A\*), Further Maths (A), Physics (A), Chemistry (A)
- GCSE: 9 GCSEs including Maths, English and Triple Science at 8 or 9.

## Positions of Responsibility

**President, Warwick Snow Club** **2022-2023**

- Successfully running a club of over 200 members whilst managing a team of nine committee members, ensuring that each has the necessary support to fulfil their roles.
- Managed the finances of the society, dealing with a yearly budget of £20,000.
- Organised the winter tour, handling the complexities of taking 400 students to France for 6 days.

**Captain, Warwick Snow Club** **2021-2022**

- Co-ordinated weekly training sessions; coaching and motivating team members
- Led teams at races, providing support for inexperienced members

## Additional Awards, Skills and Interests

**Sports Achievements:** Member of the English Schools Ski Squad (ESSKIA); 3<sup>rd</sup> U18 Slalom in a National competition. Completed two Half Ironman Triathlons.

**Fundraising:** London Marathon 2022: raised over £2000.

**Volunteering:** Member of the Southwest Volunteering group. Regular volunteer at parkrun

**Public Speaking:** Delivered a passionate talk about environmental conservation to groups of over 350 people.

**Academic Awards:** BPHO Senior Physics Challenge Silver, DofE Gold