

# Benjamin Hoskings

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## Coding Projects

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**Facial Emotion Recognition Framework**      **MATLAB**      **2022-Present**

- Using data from the BU-4DFE database to classify emotions based on 3D face videos.

**Pokémon RPG**      **Python**      **2020-Present**

- Extensive amount of time invested into the project. Over 6500 lines of code utilising widely used libraries: Open-CV, Pandas, Pygame, Selenium and Pickle.
- Developing proficiencies in key software concepts; GUIs, image processing, web scraping, large data handling.

**Wordle Solver**      **MATLAB**      **2022**

- Finds the optimal next guess for the Wordle game, averaging under three guesses to solve each word. Obtained 90% when submitted for a university assignment.

### Smaller Projects

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

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## Education

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**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 English and Maths and Triple Science at 8 or 9.

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## Positions of Responsibility

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

- 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

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## Employment History

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

- Executed numerous tasks while developing software used for Novartis oncology reporting. "Excellent standard of work, comparable to other full-time employees" – Managing Director.

**A Level Chemistry Tutoring**      **2020-2021**

- Building rapport and tailoring the one-on-one sessions to their individual needs.

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## Additional Awards, Skills and Interests

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

**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