

# Sonny Cooper

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sonnycoop

## EDUCATION

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- **University of Bristol** 2022-date  
*Computer Science MEng* Average Percentage: 74
  - Relevant modules: Software Engineering Project (77), Imperative and Functional Programming (73), Object Oriented Programming and Algorithms 1 (76), Algorithms 2 (75)
  - Competed in the 2023 BrisHack 24-hour Hackathon in a team of 5
- **Norwich School** 2020-2022  
*A levels* Results: A\*A\*A\*A
  - Computer Science (A\*), Maths (A\*), Further Maths (A\*), Physics (A)
- **Norwich School** 2017-2020  
*GCSEs* Results: 9 subjects ranging 7-9

## KEY SKILLS

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- **Programming**
  - **C#:** I have created two large projects in this language, both for an end client with one being completed in a team of 5. These projects utilized tools such as unit tests and CI/CD, along with frameworks such as .NET and the UI framework Avalonia
  - **Python:** For my A level project I created an ANPR gate system for a site which could also be accessed via a web server. This utilized libraries such as OpenCV, Matplotlib and Pytesseract to extract number plates and PHP with MySQL to alter these valid number plates in the database
  - **Swift:** Created an iOS app where a user could set a time per week variable for a task and work towards it. This utilized Realm to manage the database
  - **C:** Created software which could convert SK files into images and run a lossless compression on the SK
  - **Java:** Worked in a pair to create a Scotland Yard Board game AI bots that utilized the Monte Carlo Tree Search algorithm
  - **Go:** Worked in a pair to create a GOL simulation which could either utilize multiple cores of the computer or multiple AWS servers to concurrently render each move of the simulation
- **Problem-Solving**
  - I have worked in problem-solving situations both within technology and the real world, with my most recent example being an exhibition pre-build and setup in ExCel London, where we built the only round exhibition through locking in floor tiles to the walls frame so that they would form curves
- **Time Management**
  - Alongside my degree and A-levels, up until recently, I have also spent the past 7 years rowing 10 times a week which has led me to becoming good with time management
  - Alongside first year studies I also completed a Swift boot camp and read 5 books from the pragmatic bookshelf during my second year studies to further develop my knowledge of languages and software tools
- **Leadership and Communication**
  - Helped organize a 24-hour walk for Help for Heroes, where we raised £500
  - During A-levels I volunteered coaching kids rowing on the weekends

## INTERESTS

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- **C2 World's Longest Tandem Row:** 7 days straight, rowing over 1,100,000m 2020
- **Rowed at Henley Royal Regatta:** Represented both my school and university 2021-2023