

# Kyle Gough

I am an organised, focused and hardworking 4th year Computer Scientist at Warwick University with a background of 8 years in programming. I enjoy learning new programming languages and technologies, then integrating them with my projects such as my website. This has improved my versatility working with different programming styles and paradigms.

## WORK EXPERIENCE

### Bank of America, Summer Intern

JUNE 2019 - AUGUST 2019

Designed and created UI for the application QuRVe, a credit tech tool using JavaScript, Webix, React and Less. Implemented an interface to retrieve financial instruments data with a configurable dashboard showing graphs, pivot tables and descriptions of selected securities.

### Bank of America, Spring Week

APRIL 2018 (1 WEEK)

Gained valuable insight into investment banking. Experienced skills workshops, teamwork exercises and networking events. Participated in two days of work shadowing with teams in Global Technology and Global Markets.

### Delphi Technologies

JUNE 2015 (1 WEEK)

Introduced to C# and C++. Completed tasks with Arduino circuit boards. Gained a useful understanding of C# and how it is implemented into the work environment. Later utilised skills learned to create my own projects with C#.

## EDUCATION

### University of Warwick, MEng, 2016 - Present

Achieved an average of 80%, 72% and 66% in the first 3 years respectively.

### Maidstone Grammar School, 2009-2016

A Level - A\* in Maths, A in Further Maths, Computing and Physics.

FSMQ - A in Additional Mathematics

## PROJECTS

### Using Swarm AI to Efficiently Map a Cave Network, Dissertation

Simulates drones exploring randomly generated cave environments using AI techniques to increase efficiency.

### Logical Sudoku Solver

Solves expert level Sudoku using only logical techniques.

### LucidLab, 4th Year Group Project

An adaptable, heterogeneous IoT testbed for which I developed the front-end UI.

### Sorting Algorithm Visualiser

Visualises and analyses 20 unique sorting algorithms.

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## SKILLS

### Programming Languages

Confident - JavaScript, Python, C#, Java  
Comfortable - C++, VB.net, Haskell  
Beginner - C, Ruby, Matlab

### Web Technologies

React, HTML, CSS, Sass, Less, PHP, jQuery, Materialize, Bootstrap, Node.js, MongoDB, Webix

### Other

Git, SQL, Linux (Ubuntu, Manjaro), Windows, Bash, Zsh, LaTeX, Alloy, Microsoft Office

## INTERESTS

I enjoy further developing my programming skills in my free time by creating websites, software, and data visualisers. This includes: my portfolio website, sorting algorithm visualiser, graph algorithm visualiser, image steganography tool, URL shortener, and roller coaster simulation. Additionally, I like bouldering, playing guitar and cycling.

## REFERENCES

**Dr. Yulia Timofeeva**  
University of Warwick, Personal Tutor  
Y.Timofeeva@warwick.ac.uk