

# lukecollier

software engineer

## contact

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## programming

CSS3 & HTML5  
JavaScript  
C++  
Java  
C#  
Lua

## technologies

Unix and Linux  
Docker  
Matlab  
Android  
GIT  
Bash  
node.js

## personal statement

I am an Computer Science graduate from the University of Bangor (North Wales). I have skills in self management, software design and software development. I am keen to work with others and work together to produce a quality, sustainable product. It's my goal to quickly gain additional skills and be a competent part of any development team.

## education

2014-2017 **BSc Computer Science**  
First with Honours

Bangor University

2012-2014 **A Levels**  
AS Physics C, Computing C and Maths B

Selby College

## dissertation

### Timetable Optimization Using an Genetic Algorithm

In my final year I completed a dissertation on timetable optimization using genetic algorithms. This project enriched my knowledge of the maths and usability of large software. It allowed me to work a full project pipeline from start to finish. It also gave an in-depth knowledge into genetic algorithms and their potential in solving difficult organizational problems.

## work experience

2012 **Work Experience**

Selby Cancer Research UK Shop

For work experience I worked in a charity shop, my role included sorting through charity donations and occasionally stocking the shop floor. This experience was a vital to understanding a work environment and applying myself.

## interests

- **Building Computers** - I have built a few computers for myself and colleagues.
- **Recreational Coding** - In my spare time I work on my coding skills and try new technologies as well as many personal projects for example a personal website.
- **Photography** - Outside of programming I can be found walking and taking pictures of the Bangor shoreline.
- **Climbing** - I enjoy climbing and find it an interesting challenge when bouldering.
- **Hiking** - I have hiked around the North Yorkshire and North Wales areas and enjoy the navigational aspects involved.

## skills

- **Working in a Team** - I am competent when working in a team environment and find I can teach and learn from others. This is my preferred way to work and I believe that teamwork is vital to any successful project. Some of these projects include working with an independent business owner in a small team to produce an application.
- **Eager to Learn** - I am always willing to change my viewpoint and be put into environments if needed to better accommodate my work.
- **Up-to-Date** - I attempt to keep myself in the know and use new technologies as I find out about them. This includes learning the ways the industries leaders are pushing, applying my own knowledge to decipher and understand the methods used.
- **Agile Development** - I have done a few projects using the agile development method and find it works best with the way that I approach work. Iterations is hugely important in agile and I find it extremely efficient to work this way. When working with an independent local business owner we utilized the Agile development methodology to successfully produce a social media application.
- **Pair Wise Programming** - I have worked with a partner to accomplish tasks in programming and found it useful to have someone commenting on what I was doing and able to see the bigger picture.

## references

To be given upon request