

lukecollier

software engineer

contact

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programming

CSS3 & HTML5
JavaScript
C++
Java
C#
Lua

technologies

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 invaluable 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 really enjoy researching and buying components for building computers.
- **Recreational Coding** - In my spare time I work on my coding skills and try new technologies. For example my personnel website which uses the play framework
- **Photography** - Outside of programming you can find me exploring the British countryside, trying my best to capture a moment.
- **Climbing** - I am an avid boulderer and enjoy the challenge when attempting routes.
- **Hiking** - I have hiked around North Yorkshire and North Wales I find planning the routes (and usually having the change them last minute).

skills

- **Working in a Team** - I thrive in a collaborative team environment, my favourite example being when I worked on with fellow students to make Why Go Solo project to be a social mobile phone application a success.
- **Eager to Learn** - I am always willing to change my viewpoint and be put into environments I am not familiar with 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 technologies and methods industries leaders are pushing, applying my own knowledge to decipher and understand these up and coming methods.
- **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 more enjoyable working with others being able to bounce ideas off one another and utilizing a different viewpoint.

references

To be given upon request