



Joshua  
Ball

Web & Software Developer

## About Me

Since I started to learn about coding, I immediately became hooked into the world of programming and software development. I really enjoy the challenge of programming and gives me a platform to solve problems and continually learn and develop my skills. To me programming is more than “just a job”, I am always excited to work on and start new projects and solve new challenges.

Below I have provided evidence of projects I have completed which showcase my skills as well as my general background with programming.

## Skills

- Python 3
- Java
- HTML5
- CSS3
- JavaScript
- git/ GitHub
- Front-End Libraries (e.g. React)

## Experience

**Research Assistant – Earlham Institute**  
(October 2017 – Present)

Working in plant phenomics research, involving software engineering/ development, and hardware development. Programming in Python 3 using OpenCV, NumPy, and other libraries for image capturing as well as using Tkinter and Flask for GUI building.

**Dice Tray Product Page** (<https://bit.ly/3bui7lt>)

An HTML and CSS mock product page for custom/ home-made dice rolling trays for table top games.

Provides examples of multiple products for one “business” and includes an embedded video as an example of content that can be included.

**Dice Rolling Web App** (<https://bit.ly/39u4bw9>)

A JavaScript based dice rolling app for table-top RPGs. Designed with HTML and CSS to have the standard dice set used in Dungeons & Dragons.

It uses JavaScript Math to randomly generate a dice roll based on the dice input selected.

**JavaScript Calculator** (<https://bit.ly/3aBOW4H>)

A Calculator made using JavaScript, React, and CSS.

As an example of skills using Front-End Libraries for development. The React App functions correctly using Formula/ Expression logic to handle multiple operators.

## Education

University of Manchester	MSc Bioinformatics and Systems Biology	Merit
University of East Anglia	MSc Plant Genetics and Crop Improvement	Pass
Liverpool John Moores	BSc Biology	2:1

## References

Dr Aaron Bostrom	Lecturer in Computer Science, Norwich University of the Arts	<a href="mailto:aaron.bostrom1@gmail.com">aaron.bostrom1@gmail.com</a>
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