

# George Baker

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## Education

**BSc Computer Science** at University of Birmingham — 2019-Present

- Programming in Java — 97.5%
- Mathematical Foundations of Computer Science — 68.1%
- Artificial Intelligence — 85.8%
- Logic and Computation — 100%
- Data Structures and Algorithms — 92.33%

**A Levels** at Bishop Challoner Catholic College — 2017-2019

- Mathematics — A
- Computer Science — A\*
- French — B

**GCSEs** at Bishop Challoner Catholic College — 2012-2017

- Mathematics — 7
- English Language — 8
- English Literature — 8
- Computer Science — A\*
- History — A\*
- French — A\*
- Biology — A\*
- Chemistry — A
- Physics — A
- Religious Studies — A

## Personal Projects

**Food Diary** — Java, JavaFX, MySQL

I created a JavaFX frontend using MVC. Then I used a database to store all of the foods. The user can search the database, add their own foods through the GUI and see their last 30 days of progress.

**Hangman** — Swift, UIKit

A simple version of hangman with the aim of learning the basics of iOS development with Swift. Improved my understanding of segues.

**Shmup** — Python, Pygame

Following a YouTube tutorial, I created a shoot'em'up game in Python. A spaceship at the bottom of the view was under attack from huge rocks. The player must shoot the rocks in order to survive, accumulating a score as the game goes on. The player is helped by a few power-ups.

**Blog** — Jekyll, HTML, CSS

I used the static site generator Jekyll to create my own blog attached to my personal website. I used SCSS for the first time to make writing the CSS easier.

## Work Experience

**eBay** — June 2018

I worked with eBay's software development team in London. My first week coincided with their 'hack week' — and so I got to work on a small project attempting to implement multi-user accounts using Scala. During my second week, I was embedded in one of their agile teams working on day-to-day backend development in Java.

## Self Study

- **Learn The Command Line** — Codecademy Course
- **Object Oriented Programming in Python** — YouTube Tutorials by Corey Shaffer
- **Game Development with Pygame** — YouTube Tutorials by KidsCanCode
- **The Java Tutorials** — Oracle Docs
- **JavaFX Java GUI Tutorials** — YouTube Tutorials by TheNewBoston
- **The Swift Programming Language** — free book by Apple
- **App Development with Swift** — free course by Apple

## Interests

- Photography
- Alternative Music
- West Bromwich Albion FC
- Apple

**GitHub:** <https://github.com/gsbaker>

**LinkedIn:** <https://www.linkedin.com/in/georgestephenbaker/>

**Website:** <https://www.gsbaker.uk>

**Blog:** <https://blog.gsbaker.uk>