

Alex King

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Profile

I am a Computer Science undergraduate experienced with Java looking for a career in Software Development. During my degree I have developed my skills as a Java Developer and as a Software Engineer, as well as applying those skills to other languages and hardware in projects made for hackathons. In my Computing A-Level project I demonstrated the ability to produce a functional and well-documented web-based system, additionally showing how I was able to effectively transfer offline application programming skills to a completely different stack.

Education

Computer Science MSci, University of Birmingham, 2015 – 2019

Averaged a First in my 1st year. Modules Include: Software Engineering 86%, Introduction to AI 75%, Data Structures and Algorithms 78%, Language and Logic 80%, Robot Programming 74%, Elements of Functional Computing 62%.

The Ashcombe School, 2008 – 2015

A Levels: Computing A*, Mathematics A, Further Mathematics B.

AS Levels: Physics B.

9 GCSEs A*-B, including English A and Mathematics A*.

Work Experience

British Bookshops & Stationers / WH Smiths, Sales Assistant, August 2014 – September 2015

As an assistant in a bookshop, I worked with others to coordinate and perform tasks such as creating displays and managing stock, as well as assisting customers and fulfilling online orders.

Greencorn Ltd. IT Services, Technical Assistant (Work Experience), July 2014

During my week as a technical assistant for a small IT services company, I familiarised myself with many aspects of business-oriented IT such as: setting up new workstations, providing remote IT support to clients, and working with software and databases using the Windows Small Business Server stack. Through this, I was also able to develop my understanding of the roles of the IT industry.

Chessington World of Adventures, Food and Beverage Host, October 2013 – August 2014

Marks & Spencer Dorking, General Assistant (Work Experience), February 2013

Positions of Responsibility

GCSE Maths Tutoring, January 2015 – May 2015

I helped multiple Year 10 students achieve higher grades in their Maths GCSE test by reading the exam specification, creating examples and explaining and guiding them through the solutions to questions to help them better understand the skills and methods required for the exams.

Key Stage 3 English Skills Tutor, April 2012 – May 2013

Twice a week, I volunteered to guide students in year 7 – 9 who had trouble developing English skills through a programme consisting of reading, writing and speaking exercises.

Skills

- I have experience of using many programming languages, including: Java, Python, Javascript, PHP, OCaml, Haskell, and VB.Net.
- As part of my A-Level Computing, I made a fully-functional and scalable online planner and marking system for use in schools, in which I got a 100% mark. Technologies used in the system include: PHP, HTML, CSS, Javascript, JQuery, Bootstrap, MySQL. As part of the project, I also documented the entire development life cycle.
- I am proficient in using many development tools such as: Eclipse, Git, Unity, and Visual Studio.

Interests

- I'm strongly interested in music. I have played guitar, piano, and bass for many years, and often compose music electronically, usually recording as many parts as I can myself. I also often go to festivals and concerts.
- Game development is a field I enjoy, and I've made multiple small, experimental games in the past. Similarly, I also enjoy making small, unique programs at hackathons, some of which I have volunteered to help run.