Alexander Harvey

Summary

I am a recent computer science graduate with a strong interest in web development and JavaScript. I am conscientious, hardworking and analytical. I have a logical approach to problem solving and enjoy working both independently and as part of a team.

Work Experience

Maths Content Creator
AITutor
December 2018 – Present

- Involves programming A-Level maths questions of varying levels of difficulty using JavaScript/TypeScript and KaTeX.
- Has given me deep knowledge of ES6 syntax as well as exposure to technologies such as NodeJS, React and GraphQL.

Transcriber
Intertitle Limited
October 2017 – September 2018

- Responsible for creating and amending scripts to ensure they were error free.
- Increased efficiency of company by implementing Python scripts to automate the process of amending scripts using regex.

Education

University of Leeds: September 2017 – September 2018
MSc Advanced Computer Science: Distinction (77%)

- Thesis: Studied and compared methods for solving matrix equations arising from stochastic partial differential equations, using Python (NumPy & SciPy).
- Modules: Scientific Computation, Knowledge Representation & Reasoning, Image Analysis, Bio-Inspired Computing, Scheduling, Secure Computing, Practical Programming, Decision Modelling, Web Services & Web Data.

University of Leeds: September 2014 – June 2017
BSc Computer Science with Mathematics: Upper Second Class Honours (67%)

- Dissertation: Explored and implemented various visual cryptography schemes using C++, Qt and OpenCV.
- Group Project: Implemented and managed the database using Java and SQLite.
- Modules: Software Engineering, Information Management & Security, Algorithms & Complexity Theory, Artificial Intelligence, Parallel Scientific Computing, Combinatorial Optimisation, Calculus, Linear Algebra, Differential Equations, Mathematical Logic, Discrete Mathematics.