Solomon Varcoe

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Education

UNIVERSITY OF BRISTOL   2017 - 2021
M.Eng. Mathematics and Computer Science   Predicted 1st
> *First year result: 71%*

- Gained valuable experience with programming languages from all paradigms, notably C, Java and Haskell. I especially enjoyed functional programming (in Haskell) due to its mathematical approach which resulted in a high grade (82%).

- Developed a formal understanding of essential mathematic concepts, both pure and applied, which are currently being put into context in second year units such as Multivariable Calculus.

- The transferable skills and algorithmic thinking gained from this degree has allowed me to quickly pick up new languages and concepts. For example, during the summer I developed a personal music visualiser as an exercise to learn JavaScript & HTML.

- Took part in a pair programming module in Java in which I formed strong communication, management and development skills whilst learning industry standard practices e.g. Git/Github (version control) and Maven (dependency management).

- Strongly interested in artificial intelligence and machine learning after being introduced to it during the pair programming module, in which my team developed an AI player for a game as an extension (resulting in a first-class mark). As a result, I plan to take modules in this field in subsequent years and have taken relevant maths units (Multivariable Calculus and Probability 2) this year.

Second Year Modules:
> Language Engineering; Data Structures and Algorithms; Multivariable Calculus; Methods of Complex Functions; Probability 2; Symbols, Patterns and Signals; Coding and Number Theory; Theory of Computation

First Year Modules:
> Functional Programming; Object Oriented Programming; Imperative Programming; Algorithms; Calculus 1; Linear Algebra 1; Probability 1; Analysis 1A; Foundations & Proof; Group Theory

EXETER COLLEGE   2015 - 2017
Graduated with the following A Levels:

Physics	(A*)	Mathematics	(A*)	Further Mathematics	(A)	Philosophy (AS Level)	(B)

CHULMLEIGH COMMUNITY COLLEGE   2010 - 2015
Graduated with 11 GCSES (A* - C) including:

Mathematics	(A*)	Science	(A*)	Computer Science	(A)	English Language	(A)	English Literature	(A)

Technical Skills

LANGUAGES:	C	JAVA	HASKELL	JAVASCRIPT	VISUALBASIC	HTML	LaTeX
MISC:	GIT	WINDOWS	LINUX	ECLIPSE	VISUALSTUDIO	UNITY	OFFICE

Other

- Member of both the University of Bristol Tennis Club and Computer Science Society.

- Guitar player with a love of blues (received 'Platinum Award' for contributions to the music department at Chulmleigh).

- Appointed 'Senior Prefect' at secondary school, both leading and managing regular prefects.