

Solly Varcoe

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EDUCATION

UNIVERSITY OF BRISTOL

SEPTEMBER 2017 - JUNE 2021

M.Eng. Mathematics and Computer Science

Predicted 1st

Results as of September 2020:

Third Year: 79% Second Year: 74% First Year: 71%

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Third Year Modules:

Project: The Mathematics of Communication

Cryptography A; Machine Learning; Image Processing & Computer Vision; Information Theory 3; Martingale Theory

Advanced Algorithms; Computer Graphics; Computational Neuroscience; Algebra 2

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

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)

EMPLOYMENT

MINISTRY OF DEFENSE

JULY 2020 - SEPTEMBER 2020

- Researched and implemented quantum resilient, lattice based cryptographic primitives in C.
- Reverse engineered potential malware using assembly language
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SCISYS UK LTD

JULY 2019 - SEPTEMBER 2019

Software Engineer (Internship)

- Part of an agile development team working on a classified AI and automation project for the Navy
- Expanded analytic capabilities by desinging, implementing and testing a new history module alongside additional data visualisation.
- Increased the reliability of the front-end interface by rewriting all automation tests using a class based, relative model.

PROJECTS

TECHNICAL SKILLS

LANGUAGES:	C	JAVA	JAVASCRIPT	HASKELL	PYTHON	HTML	L ^A T _E X
MISC:	GIT	WINDOWS	JUNIT/MOCKITO	ECLIPSE	SELENIUM	LINUX	POSTGRESQL