

Joseph Heyes

A determined and enthusiastic second year student at the University of Nottingham, keen to learn new skills and develop existing ones. Looking for an interesting and challenging year in industry placement where I can apply my knowledge to real-life situations.

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Education

University of Nottingham

BSc Computer Science with Year in Industry | 2021-Present

First year grade: **74%**

Module	Skills/Information learned	Grade
Computer Fundamentals	Digital logic, low-level networking (socket programming in C), operating systems	95%
Programming and Algorithms	Programming in C – basic data structures (arrays, linked lists, stacks and queues), dynamic memory allocation, implementing sorting algorithms (merge, insertion) and postfix mathematical notation evaluation.	84%
Introduction to Software Engineering	Version control with Git, developing software effectively as a team, requirements gathering/specifications, prototyping, unit testing and test-driven development, release and acceptance testing, agile vs traditional software methodologies, risk management.	70%
Programming Paradigms	Object-oriented programming in Java – aggregation, design patterns, inheritance, polymorphism. Functional programming in Haskell – types and classes, types of functions (recursive, higher order), lazy evaluation.	70%

Not all modules shown. For a list of all modules, visit

<https://www.nottingham.ac.uk/ugstudy/course/Computer-Science-with-Year-in-Industry-BSc#yearsmodules>

The Nobel School

A Levels | 2019-2021

Computer Science: A*, Mathematics: A, Spanish: A*

GCSEs | 2017-2019

Computer Science: 7, Mathematics: 8, Spanish: 9, English Language: 8, English Literature: 8, Combined Science: 8-8, History: 9, Drama: 7, Religious Studies: 9

Part-time Employment

Costello's Café, Stevenage

Customer Assistant/Server | Summer 2022

Took orders at till, served drinks and confectionary, brought hot food orders to customers when ready and assisted with closing at the end of the day (cleaning, locking up, shutting down machines).

Budgens Great Ashby, Stevenage

Shop Assistant | 2019-2021

Dealt with sales on tills and working with stock (taking stock from warehouse to shop floor, assisting with deliveries).

Skills

Teamwork	Problem solving	Attention to detail
Time management	Adaptability	Organisation

Technical Skills

- Java (including Junit)
 - Learned as part of university module, built a version of Reversi using Swing UI.
 - Learned JUnit as part of another module, created unit tests for several Java classes.
- Python
 - Learned basics in secondary school, built my 1st project using it in A Level.
 - Learned basic neural networks as part of university module with Python libraries.
- C
 - Learned as part of university module and applied to many basic algorithms.
- HTML/CSS/JavaScript
 - Used to develop front-end for an SQL database
 - Expanding upon knowledge by working on my personal website (see top of first page).
- SQL
 - Learned basics in secondary school, expanded upon in university module to create database for a website.
- Git
 - Used extensively throughout first year of university for managing coursework and for version control of a group project (merge requests, issues, branches).

Additionally, some experience with Linux after using Ubuntu as a daily driver for university

Hobbies and Interests

- Solving programming problems
- Reading about medieval history
- Playing guitar
- Gaming