

# RICHARD SOMERS

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## PERSONAL SUMMARY

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I am a Computer Science student with professional experience in an Agile environment as well as working with a variety of technologies ranging from Kubernetes to Z/OS. I bring enthusiasm and determination to all my projects allowing me to perform efficiently and develop new skills under pressure. Alongside software development, I have been elected as both president and social secretary of my University's ice skating society as well as helping my peers start their own societies and campaign to win Students' Union positions.

## DEVELOPMENT EXPERIENCE

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### CICS Regression Tester

*IBM Internship (2019-20)*

- Responsible for maintaining IBM CICS regression java tests using an in-house testing tool
- Development of an interface into CICS statistics utilities to simplify testing, hide complexity and protect testers from common pitfalls using the technology
- Education from Master the Mainframe Part 2 and Part 3 providing knowledge of Z/OS and ISPF

### Galasa ([galasa.dev](https://github.com/galasa))

*IBM Internship (2019-20)*

- Open Source Hybrid Integration Testing Automation Framework
- Developed skills in Java, Maven, Docker, K8s, TypeScript, MongoDB, VS Code extension API
- Practiced Pair Programming and DevOps
- Provided interfaces into a wide variety of technologies such as Z/OS, Selenium and JMeter
- Designed and implemented a modular Gherkin test interpretation framework and executor
- Contributed to an IBM Red Paper on creating concise and immutable test code
- Organised, curated and presented demos to external customers

### Dissertation Selection Algorithm

*Personal Project (2019)*

- Built a website commissioned by the University of Sheffield using Ruby on Rails and PostgreSQL
- Provided an interface for supervisors and students to pick and sort their dissertation preferences
- Required the solving of an NP-hard computational optimisation problem

### Itch.io Game Jams

*Personal Project (2020)*

- Learning the Godot game engine from scratch as well as its native scripting language
- Developed skills in creativity and challenging myself with unique game themes and tough time constraints

## EDUCATION

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### BSc Computer Science with a Year in Industry, University of Sheffield

*2017 - 2021*

*First year: 1<sup>st</sup> class, Second year: 1<sup>st</sup> class, Placement year: Passed*

- Gained experience in Software development, Agile workflows and customer interaction
- Developed skills in problem solving and critical thinking through algorithms and logic modules

### Nottingham High School - A Levels

*2009 - 2016*

Mathematics A, Physics B, Chemistry B, Further Mathematics (AS) C

## TECHNICAL SKILLS

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|------------------------------|--|
| <b>Programming Languages</b> | Java, Ruby, Python, NodeJS, TypeScript, SQL  |
| <b>Tools &amp; Software</b>  | Unix CLI, Git CLI, Maven, Docker, Kubernetes, Z/OS, CICS, Jenkins, Elasticsearch, VS Code Extension Development, LaTeX |

## EMPLOYMENT

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|--|--------------------|
| <b>IBM Placement Student</b><br>CICS Testing Team and The Galasa Project                           | <i>2019 - 2020</i> |
| <b>Showcase Cinema Nottingham</b><br>Usher on door and general customer service                    | <i>2017</i>        |
| <b>Arthur Johnson &amp; Son Auction House</b><br>Oversaw live online auctions and stock management | <i>2017</i>        |

## TRANSFERABLE SKILLS

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### **University of Sheffield Ice Skating Society**

- Enthusiastic Ice Skater from the age of 7 with involvement in Ice Hockey and Speed Skating
- Active member of Ice Skating Society since starting University
- Social Secretary: planned rink hires, social events and active communication with the Students' Union
- President: Delegated tasks among an enthusiastic team and running a sporting society during COVID-19. This included organising online meetups to promote and grow our community, as well as communication with the ice rink to ensure members have the option to skate during the reopening

### **IBM Speakers Workshop**

- Organised a fortnightly speakers workshop aimed at younger employees
- Provided a space for young professionals at IBM to practice presentations to their peers
- Focused on giving feedback to improve presentation skills and build confidence of the attendees

### **Smarter Schools Programme**

- Designed and presented design-thinking workshops for year 8 school children
- Covered sustainability and creative problem solving through the environmental theme
- Provided skills in forward planning, presenting and teamwork

### **COVID-19 Working Environment**

- Very quickly adapted to a new working environment while continuing to work effectively
- Started healthy work habits including going for walks at lunch and organising coffee breaks with colleagues

## REFERENCES

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Available on request