

# Haaris Iqbal

## Software Engineer

Analytically minded, particularly adept at problem solving and algorithm design. Agile learner, with a curiosity for engineering, technology, computing and finance. Proficient in several programming languages. High aptitude for quantitative reasoning.

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## EDUCATION

### Bachelor of Science - Computer Science

Royal Holloway, University of London

09/2019 - 07/2022

#### Notes

- Graduated with First Class Honours.
- Dissertation: "Algorithms for Economics and Social Choice"

## WORK EXPERIENCE

### Software Engineer Trainee

Wiley Edge · Full Time

11/2022 - Present

London, UK

Wiley Edge professionally trains hired talent for a specified training pathway and offers placements to trainees to work onsite for its clients.

#### Achievements/Tasks

- Undergoing training in Software Development, covering the fundamentals of developing for full-stack web applications using Java, the Spring Framework, RESTful services and SQL.

### Teaching Assistant

Royal Holloway, University of London · Part Time

08/2021 - 07/2022

Surrey, UK

Teaching Assistant in the Department of Computer Science at RHUL. Role selection was particularly competitive for 2021/2022 academic year.

#### Achievements/Tasks

- Worked in various programming, design, and engineering modules - CS2800, CS1890, CS1840, CS1822, FY1009.
- Assisted students with courseworks, programming tasks and lab sheets. Marked lab sheet checkpoints and milestone worksheets. Supervised 5 team project groups for CS1822 (20+ students).
- Worked as the sole Teaching Assistant for Year 2 Software Engineering (BCS accredited as Best Practice). Managed lab sessions - taught Test Driven Development, use of VCS (Git, SVN), and software engineering methodologies. Resolved significant SWE coursework issues on an individual basis.

### Developer

Capventures (PVT) Limited · Contract

06/2020 - 08/2020

Lahore, Pakistan

Mocca coffee (the subsidiary company of Capventures) is a popular café with multiple locations in major cities throughout Pakistan.

#### Achievements/Tasks

- Tasked with designing, building, testing, and deploying the Mocca Website. Primarily focused on frontend development.
- Responsible for implementation of huge elements of the project, including the landing page, menu, locations page, customer carousel, etc.
- Extensively tested, restructured and built the UI & UX of the site, adapting it based on feedback from clients and beta- testers.

## SKILLS



## PROJECTS

Royal Hackaway v5 · Hacking Video Game (02/2022 - 02/2022)

- Built simple pseudo-attack commands along with in-game missions to emulate experience of being hacker. Developed and written in C# using Unity Engine within 26-hour time constraint. Collaborated over Git.
- Awarded certificate for Best UX Design.

Google Coding Challenge (06/2021 - 07/2021)

- Given unit tests and software specifications document, task was to develop a YouTube application.
- Used Test Driven Development (TDD) methodology. Written and Completed in Java. Awarded certificate.

Royal Hackaway v4 · Chess Video Game (02/2021 - 02/2021)

- Created 2D "enhanced chess" video game in team of two, within 30h time constraint. Designed from scratch, written in C# using Unity Engine, with custom sprites and sounds using Piskel and Bfxr. Collaborated over Git.
- Competed for first time, achieved position of runner-ups. Awarded medal.

Minecraft Java Spigot Plugins (12/2020)

- Created numerous server plugins for popular video game Minecraft. Plugins were designed to make creative and entertaining, yet fundamental changes to the game.
- Examples include stronger enemies, new behaviours such as arrows exploding, etc. Full list on website, code on GitHub. Written in Java, using Spigot API.

Student Database Application (12/2018 - 04/2019)

- Full-fledged standalone database application. GUI frontend, mySQL database back-end. End of year project, achieved a mark of 100%.
- Written in Python3 using Python Imaging Library (PIL) and Tkinter.

## CERTIFICATES

Financial Markets - Yale (07/2022 - 08/2022)

Pursuing Yale FM MOOC by Prof. Robert Shiller.

Carbon Literate (02/2022 - 03/2022)

Certified by The Carbon Literacy Trust as having met CLS.

Business, Operations and Marketing (07/2021)

Completed Bright Network Internship Experience UK - BOM.