

Sameer Al Harbi

A focused and self-motivated Computing Science student with a wide array of experience in software design and development. Looking for an internship to help advance my knowledge of the Software Development Industry.

EDUCATION

University of Dundee, Dundee UK — *Computing Science BSc (Hons)*

2019 - PRESENT | On track for a 1st | Expected Graduation 2023

I have taken several modules that have given me a wide range of different skills that help me with my work:

- Industry-standard software planning techniques allow me to work efficiently
- Team Working experience from working on Agile group projects throughout my degree.
- Advanced logic through mathematical principles
- In-Depth knowledge of advanced topics such as Data Structures gained by recreating code from scratch.

UOD Centre for Entrepreneurship, Dundee UK — *Enterprise Challenge Winning Team*

JAN 2020 - MAR 2020 | Winning team "HexaHold"

I joined up with some of my fellow students to present a Startup idea as part of the Enterprise Challenge course. Being responsible for the technology aspect of the idea, I planned out the logistics behind the manufacture and IT needs of our Medical Startup that aimed to 3D print custom casts. My team ended up winning the "Most Enterprising team Award" for our submitted idea.

Thamer International School, Jeddah Saudi Arabia

Graduated 2019 | GPA 3.8 | SAT 1310 | A-Levels BBB | IGCSE's A*AAAAAABC

Studied a Science Concentration of subjects with a focus on the UK System (IGCSE, AS, and A-Levels). I was also involved in several activities that have taught me valuable leadership and team working skills:

- Founding President of the T.I.S CS Club. A Python-focused educational club that aimed to introduce my classmates to coding and CS fundamentals through group projects.
- Writing short fiction stories for my Schools Monthly Newsletter
- Prefect in 12th Grade and Vice President in 11th Grade

EXPERIENCE

UOD, Dundee — Part Time C & C++ University Lab Tutor

Sept 2021 - December 2021

I helped with running a weekly lab for a module I previously took in 2nd year. As part of my duties, I answered student questions and helped debug code issues.

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PROGRAMMING SKILLS

C#	Advanced
Java	Advanced
Python (Self-Taught)	Intermediate
C	Intermediate
C++	Beginner

SKILLS

HTML & CSS

SQL

Data Structures

Algorithm evaluation

OpenGL Basics (Self-Taught)

Unity (Self-Taught)

Visual Paradigm

Bash

Development in Linux

AI fundamentals

Teamworking

Agile

Time management

LINKS

[Personal Website](#)

<https://samharbi.github.io/>

[Github](#)

<https://github.com/SamHarbi>

EXPERIENCE CONTINUED

CFTE, London/Remote — Global Fintech Intern

August 2021 - Week-long internship

Worked on analysing technological opportunities for R3 (one of participating member companies in this internship) to create a report and video presentation. My tasks in contributing to my team's submission have consisted of:

- Understanding and analysing how R3's Cordia platform technically works at an abstract level and how it meshes with business requirements.
- Proposing potential bottlenecks in scalability and operation, and how they may be avoided.
- Writing and editing the final video submission.

The Magdalen, Dundee — Science & Technology Writer

August 2020 - April 2021

I wrote articles published monthly in the Science & Technology Section of The Magdalen. As part of my role, I was responsible for researching and refining technical ideas and trends into engaging 500+ word articles.

PROJECTS

[AR Anatomy Visualiser Web Application](#) — *Made with HTML/CSS/JavaScript to show how Obesity affects Anatomy*

I am currently working on a multidisciplinary project at my university to produce an accurate anatomical Web Application for medical students to better understand the changes that Obesity can cause to the Heart and Lungs specifically. Available on my Github

[AI Breadth-First Search in C#](#) — *As part of a COVID-19 mandate recommendation system*

I created a Breadth-First Search and underlying systems that were used to create more searches by my team for a university project that showcased how search algorithms may be used to pick government mandates to control the spread of COVID-19. This has cut our workflow considerably as less code had to be repeated. Available on my Github

[Midnight Delivery](#), a 3D Unity game in C#

A 3D Maze Horror game made fully by me under my studio name "ByteForge". Over 1000 downloads on Game Jolt. Available on itch.io and Gamejolt

AWARDS

Global Excellence Scholarship
- University of Dundee - 2019

Outstanding Academic Achievement Award - Thamer International School - 2019

Outstanding Results Award - Thamer International School - 2018

LANGUAGES

English - Fluent

Russian - Advanced

Arabic - Intermediate

INTERESTS

Writing - I am a big fan of creative writing and general blog-styled writing.

Game Development - I am always tinkering with game engines to see what I can make and joining Game Jams occasionally.

COURSES & CERTIFICATIONS

Goldman Sachs Engineering Virtual Program | July 2021
Worked on analysing security flaws, cracking passwords with hashcat

Computer Vision Basics
Coursera Course | June 2020
Core concepts and practical exercises using MATLAB