

Sammy Sahnine

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SUMMARY

Hello, I'm Sammy, a second year BSc Computer Science student at [The University of Nottingham](#), specialising in Advanced Functional Programming, Image Processing and Robotics. Due to graduate in the summer of 2027, with expected first class honours.

EDUCATION

Computer Science with Year in Industry BSc (Hons)

2023 - 2027

The University of Nottingham

- Year 1 Average of 81%, First-Class Honours.
- 95% in Programming and Algorithms, involving low-level C programming.
- 92% and 91% in Computer Fundamentals and Systems and Architecture respectively, involving ARM32 assembly code programming, networking, and servers.

EXPERIENCE

Hackathons

Python, C, Assembly Language(s)

Attendee of multiple hackathons across the UK, creating projects such from simple point-and-click games to breathalysers in a 24 hour timeframe.

Group Projects

Java, Git, Python

In the first year of my University course, I took part in a software engineering group project in which myself and 4 others had to use Java to create the backend for a house showcasing website. In my second year, I have been elected Git admin for a year long programming project, with the responsibility of setting up CI/CD pipelines, as well as maintaining and merging branches.

EXTRACURRICULAR

Mentoring Scheme

I was chosen to be a mentor for a group of 20 computer science students entering their first year of University. This involves the responsibility of helping them settle in, as well as provide assistance and tutorials related to the course.

Volunteering

Whilst in secondary school and sixth form, I spent weekends volunteering at my local charity shops helping on the shop floor and sorting surplus stock.

Grahame Waters Prize for Computer Science

Recipient of the Grahame Waters Prize for Computer Science from Parmiters' School and Sixth Form

PROJECTS

SpotiPy Client

Python, Spotify Web API

A terminal based client for Spotify, built in Python. Using the SpotiPy library, utilising the Spotify Web API. Features include built in audio visualiser, the ability to view playlists and saved albums, and play/pause/skip controls.

Messagezoid

Swift, Google Firebase, Git

An end-to-end encrypted messaging app written in Swift for iOS based devices. Utilises Google Firebase in order to host a NoSQL database to store required information such as user details - profile pictures, usernames, etc. This project was created for my A-Level in Computer Science.

RemoteCheck

Objective-C, Git

A minimal and lightweight OS X menu bar app that allows you to see CPU/GPU temperature, drive and network activity, and other system statistics of other Macs on your local network.

TECHNICAL SKILLS

Languages

C, Haskell, HTML/CSS, JavaScript, Java, Python 3, SQL (SQLite), Swift/SwiftUI, Objective-C, VHDL

Libraries and APIs

Matplotlib, NumPy, Matplotlib, Firebase, OpenGL, Metal

Operating Systems

iOS, Mac OS X 10.0 - macOS Sequoia (15), Ubuntu, Windows 98 - 11

Developer Tools

Docker, Eclipse IDE, Git, GitHub, Google Firebase, IntelliJ IDEA, PyCharm, VS Code, Xcode

Last updated: October 21, 2024

The latest version of this CV can be found at cv.sammysahnine.com.