

# Syed Hamza Qadri

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## EDUCATION

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### Georgia Institute of Technology

Atlanta, GA

*Bachelor of Science in Computer Science*

Aug 2022 – May 2026

- Completed Coursework: *Introduction to Computing (Python), Differential Calculus, Integral Calculus*
- Ongoing Coursework: *Introduction to Object-Oriented Programming (Java), Linear Algebra*

## EXPERIENCE

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### Secret Stash

Jun 2021 – Aug 2021

*Data Analytics Intern*

Karachi, Pakistan

- Wrote Python scripts to process and analyze data in spreadsheets for an e-commerce startup
- Automatically corrected minor spelling differences in 1500+ buyer and seller names and assigned unique IDs
- Analyzed which cities were most popular among buyers and adjusted for population
- Drew conclusions regarding which customers were most frequent, which buyers were also sellers, etc.

### Computing Club at Karachi Grammar School

Sep 2021 – Mar 2022

*Secretary-General*

Karachi, Pakistan

- Organized rounds and designed math and programming questions for intra- and inter-school competitions
- Managed and moderated the club's WhatsApp group and Discord server
- Liaised with technical, marketing, and logistics teams during club's flagship event

### RoboJackets

Sep 2022 – Present

*RoboCup Member*

Atlanta, GA

- Expressed interest and signed up for *RoboCup* autonomous soccer team
- Attended talks and live demonstrations about soccer bot functionality and external software layer
- Configured ROS2 development environment and made basic changes to existing C++ codebase

## PROJECTS

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### Yobeboy | C/C++

Mar 2021 – Jul 2021

- Developed an emulator for the Nintendo Game Boy console, capable of running several commercial games
- Handled audio and graphics rendering via SDL2 library
- Implemented advanced features such as interrupts and MBC handling to allow complex games to run
- Passed 38 out of a set of 40 CPU instruction accuracy tests

### Android Media Player Demo | Java, Android Studio

Jan 2022 – Feb 2022

- Developed an Android application to play local and remote audio files
- Implemented audio playing functionality via ExoPlayer library
- Built UI using components including LinearLayout, RecyclerView, FloatingActionButton, etc.

## SKILLS

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**Languages:** Python, Java, C/C++, Bash

**Developer Tools:** Git, Visual Studio Code, IntelliJ/Android Studio

**Platforms:** GNU/Linux (Ubuntu, Arch), Windows, macOS