

MALEK AMIRI

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EDUCATION

Georgia Institute of Technology

Sophomore Undergraduate

Computer Science

Threads: Devices and Intelligence

August 2017 - May 2021

Overall GPA: 3.83

Major GPA: 4.00

Faculty Honors

EXPERIENCE

NCR, Atlanta

Software Engineer Intern

May 2019 - current

- Currently programming Linux device drivers for the self-checkout machine to assist in an architectural migration from not only C++ to Java but Windows to Linux.
- The original device operated on heavy usage of Microsoft foundation classes and was around 50,000 lines but I am migrating them to a cross-platform JVM application for use in the newest model of checkout machines.

Georgia Institute of Technology, Atlanta

Undergraduate Teaching Assistant

Jan 2019 - May 2019

- Teacher Assistant for Physics 2: A calculus-based course covering electromagnetism, applications of electromagnetism, light, and modern physics. The programming section uses VPython.

EXTRA-CURRICULAR AND ACHIEVEMENTS

Personal Projects

-Find my AirPods - *Swift, Core Bluetooth, iOS*

iOS app that allows you to find your lost bluetooth headphones. Used signal strength to calculate distance and displayed it on a heat map.

-Super Mario - *C, Game Boy Advance*

Developed Super Mario in C to run on a GBA emulator.

-Huddler - *Swift, Firebase, iOS*

Developed iOS app that allows students to find study groups instantly. Firebase was used for storage and authentication. Available on the App Store.

Clubs

-Georgia Tech iOS club President: Teach IOS development using Swift

Hackathons

-HackGSU Fall 2018 - *Java, JSON parsing, Android*

Developed an android app that used the NCR food catalog to present food from cheapest to most expensive to benefit people looking for cheap food solutions. Worked on the backend and on the implementation of the NCR API.

SKILLS

Programming

Java, Swift, C

App development

Xcode, Exposure to Android Studio and Unity

Version Control

Working knowledge of the version control system Git

Languages

Fluent in: English, French, Arabic (Tunisian dialect)