# Education

* Junior at Carnegie Mellon University.
* Computer Engineering Major Class of 2020. 3.52 GPA
* Deans List Spring 2018

# Work

**Paid Research:**

* Computer Engineering Signals and Systems Research over the Summer of 2018.

Ultrasonic Positioning System - Professor Sankaranarayanan and I are developing a novel low cost high accuracy close range ultrasonic positioning system. The invention has strong potential to impact navigation for blind persons and precision timing of athletes.

* Worked in the CMU ISR (Institute of Software Research) over the Summer of 2017

Data Mining for Automatic Program Error Repair - I mined large quantities of data on GitHub, which I then inserted into a previously existing SQL database in order to be eventually used for automatic program repair.

# Skills

* Proficient in Unity Game Engine, C, C#, Java, Python, R, Javascript, and SQL.
* Web Development, and Video, Photo, Audio editing experience.

# Merits

**Engineering Pursuits**

* I have pending patents.
* I have an app on the Google Play Store - “Math Dash - Learn Multiplication”
* I am working on a marketplace for python code in order to create more incentive for casual programmers to produce software.

**Athletic Achievements:**

* Ran an indoor 300m time of 35.19 seconds. 46th in U.S. in 2016
* New Balance Nationals Indoor Championship qualifier for the 200m.
* Tied CMU 10.7 100m HT school record

**Portfolio Website - https://jacobhoffman.tk/**