

# JACOB HOFFMAN

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

## EDUCATION

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

## WORK

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### **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

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

## MERITS

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### **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. 46<sup>th</sup> in U.S. in 2016
- New Balance Nationals Indoor Championship qualifier for the 200m.
- Tied CMU 10.7 100m HT school record

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