

JACOB HOFFMAN

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

EDUCATION

- Senior at Carnegie Mellon University.
- Computer Engineering Major Class of 2020. 3.48 GPA
- Deans List Spring 2018
- Next Semester I will Be taking Computer Security, and Machine Learning.

WORK

- **CMU ECE | Signals Research | Summer of 2018 | Ultrasonic Positioning Systems**

Professor Sankaranarayanan and I worked on close range ultrasonic positioning systems for blind person navigation. Chirps, STFTs, FFTs, are some of the DSP concepts used to implement the system.

- **CMU ISR | Software Research | Summer of 2017 | Data Mining for Automatic Program Repair**

I mined data on GitHub and contributed this data into existing SQL databases to be used for automatic program repair. I analyzed this data in R to verify coding practices which contribute to projects with less errors.

- **General Motors | Control Systems | Summer 2019 | Stability Of Vehicle**

I will be applying control theory to assure stability of General Motors vehicles.

SKILLS

- I am proficient in C, C#, Java, Python, R, MATLAB, Javascript, HTML, CSS, and SQL.

MERITS

Engineering Experience

- **Design :** I have a successfully backed Kickstarter product called the Chochin Wall Lamp. I accrued \$1,500 of funding over 39 days. I have a sole proprietorship called Robust Innovations (robustinnovations.org)
- **Web Development/Entrepreneurship :** I am a cofounder of Optimist Track NYC. My web development skills helped the club grow from 0 to 25 registered athletes. (jeffteta.tk)
- **Software Development :** I am working on a software package that makes machine learning utilities easy to understand and use for small businesses and humanities researchers.(industriallearning.com)

Athletic Achievements:

- Ran an indoor 300m time of 35.19 seconds. 46th Fastest in U.S. high schools in 2016
- Tied the CMU 100m school record of 10.7 seconds.

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