

# Sung Soo Cho

Software Developer | sungsoocho.net  
Anthony.Cho@rice.edu | 713-828-8185

## EDUCATION

### RICE UNIVERSITY

#### BS IN COMPUTER SCIENCE

Expected May 2019 | Houston, TX

## LINKS

Github:// foerever

LinkedIn:// sungsoocho

Website:// sungsoocho.net

## COURSEWORK

### UNDERGRADUATE

COMP 140 (modeling computation artifacts)

COMP 182 (algorithmic thinking with discrete math)

## SKILLS

### PROGRAMMING

Experienced with:

Python • HTML • CSS • Bash • XML • Javascript || ReactJS

Familiar with:

C • Objective C • Robot C • SQL || GMT Scripts • Tensorflow

### ENGINEERING

Experienced with:

Inventor (3D modeling) • Digital Logic • VEX • 3D Printing

Familiar with:

Circuit Design and Programming • Raspberry Pi • Launchpad

## LEADERSHIP

### HIGH SCHOOL

Director of Houston Food Bank Student Heroes (organized city wide food drives, coordinated hundreds of volunteers, etc)

Others: President Earth Club, VP of Food Bank Club, Secretary NTHS, etc

### COLLEGE

Freshman Representative Rice CS Club (Founded and organized Hack & Learn)

Treasurer Rice CS Club (Budgeting, Secretarial Duties, etc)

## EXPERIENCE

### UT CENTER FOR SPACE RESEARCH (NASA GRANT) | INTERN

July 2015 – August 2015 | Austin, TX

- Did computational analysis of 2 trillion points of high-rate airborne laser altimetry data from ICESat Satellite
- Designed and created code for graphical analysis of speculative reflection and satellite calibration (Objective C, Bash | GMT Scripts)

### PARKIT | SOFTWARE ENGINEERING INTERN

February 2017 – May 2017 | Houston, TX

- Did research and development for ParkIT computer vision, neural net, and machine learning technology (Python | Tensorflow)
- Tested various approaches to the machine learning architecture for unique data sets and design code for more general use case

### SENSORFIELD | SOFTWARE ENGINEERING INTERN

May 2017 – August 2017 | Houston, TX

- Web frontend and backend development to process and display data on Sensorfield's website for wireless sensor systems used in the oil industry (Javascript, SQL, HTML, CSS | ReactJS, Bootstrap, etc)

## PROJECTS

### LILIE NEW ENTREPRENEURS GRANT | GRANT RECIPIENT & FOUNDER

June 2016 – PRESENT | Houston, TX

- Received 10,000 USD to create a start up for a personal project with a partner from Rice University's Liu Idea Lab for Innovation and Entrepreneurship

### HACK RICE | ORGANIZER AND PARTICIPANT

October 2016 | Houston, TX

- Assisted in organization and coordination of Rice University's annual hackathon
- Built APK "Sandals" a proof of concept social media platform targeting isolated groups within social networks

### CODERED | AWARD RECIPIENT & PARTICIPANT

October 2016 | Houston, TX

- Built APK "Owl Security" a security system that uses image recognition to automatically identify and resolve security hazards
- Won challenge "Best Use of IBM Watson" from IBM
- Won 1000 USD and 3rd Place at Rice's annual Elevator Pitch Competition for Owl Security (Sawano) pitch

### PENNAPPS XV | PARTICIPANT

January 2017 | Philadelphia, PA

- Built a raspberry pi circuited interface that converts audio into an LED equalizer and synchronized set of vibration motors to redefine the way that deaf people can experience music.