

# Sung Soo Cho

Software Developer | sungsoocho.net  
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## EDUCATION

### RICE UNIVERSITY

#### BS IN COMPUTER SCIENCE

Expected May 2020 | Houston, TX

## LINKS

Github:// [foerever](#)

LinkedIn:// [sungsoocho](#)

Website:// [sungsoocho.net](#)

## COURSEWORK

### UNDERGRADUATE

Computational Thinking

Algorithmic Thinking

Fundamentals of Computer Engineering

Intro to Program Design

Intro to Database Systems

## SKILLS

### PROGRAMMING

Experienced with:

Python • Javascript • PostgreSQL •

HTML • CSS • Bash • XML || ReactJS

Have worked with:

Java • C • Objective C • mySQL ||

GMT Scripts • Tensorflow • MongoDB

### ENGINEERING

Experienced with:

Inventor (3D modeling) • Digital Logic •

VEX • 3D Printing

Familiar with:

Circuit Design and Programming •

Raspberry Pi • Launchpad

## LEADERSHIP

### COLLEGE

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

Treasurer Rice CS Club (budgeting,  
teaching workshops, secretarial duties)

HackRice Committee for HackRice 6 & 7

### HIGH SCHOOL

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

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

## 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 with convolutional neural net architecture for unique data sets and wrote code for more versatile use case

### SENSORFIELD | SOFTWARE ENGINEERING INTERN

May 2017 – August 2017 | Houston, TX

- Full-stack web development to process and display data on Sensorfield's website for wireless sensor systems used in the oil industry (Javascript/ES6, mySQL, HTML, CSS | Node.js, ReactJS, Bootstrap, Express)

## 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
- Currently in the process of concept testing to confirm market viability

### 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.

### PENNAPPS XVI | PARTICIPANT

September 2017 | Philadelphia, PA

- Built both back end and front end for a transportation organizing web application so that college ministries can automate ride coordination