

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

HACKRICE 6 & 7 | ORGANIZER AND PARTICIPANT

October 2016, September 2017 | Houston, TX

- Assisted in organization of Rice University's annual hackathon (HackRice 6 & 7)
- Built APK "Sandals" a proof of concept social media platform targeting isolated groups within social networks (HackRice 6)
- Worked on carpool app "DataDriven" for part of hackathon (HackRice 7)

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 & XVI | PARTICIPANT

January 2017, September 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 XV).
- Built back end and front end for a transportation organizing web application so that college ministries can automate ride coordination (PennApps XVI).