

Sung Soo Cho

Software Developer | sungsoocho.net
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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

Familiar with:

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

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 Project Modulate (a modular calculator) 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

- Won challenge "Best Use of IBM Watson" at the University of Houston's CodeRED Hackathon
- Built APK "Owl Security" a security system that uses image recognition to automatically identify and resolve security hazards
- 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.