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
Intro to Database Systems
Intro to Program Design
Fundamentals of Computer Engineering
Algorithmic Thinking
Computational Thinking

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

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)

PARKIT | Software Engineering Intern
Februrary 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

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)

PROJECTS

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).

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

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)

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