

SHIN Hyun

HANYANG UNIVERSITY · CHUNGBUK SCIENCE HIGH SCHOOL

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” I want to be a Great Programmer ! Can you help me ? ”

Summary

I'm a freshman in college and currently pursuing a Bachelor of Science in computer software engineering. I learned C in high school as my first programming language; and found out that I loved algorithmic problem solving. After the finish university entrance examination, I began to study Web Front End, and It's my first development experience. When I became a university student, I start studying TeX, 3D Printing, Python, Object Detection(but I don't know ML, just use Tensorflow API).

Education

Hanyang University

Seoul, S.Korea

COMPUTER SOFTWARE

Mar. 2019

- 222, Wangsimni-ro, Seongdong-gu, Seoul, 04763, Korea

Skills

Programming Language	C, C++, TeX, Python, JavaScript
Web Front-End	HTML5, CSS3, JavaScript
3D Printing	Fusion 360
Illustration	Clip Studio, Photoshop
Development Tools	Github, CodeBlocks, VS Code, Atom, Pycharm, TeX Studio, Overleaf
Try a little	Kotlin, Aheui(아헤이), Jetson Nano, Object Detection
Others	Data Structure, Algorithm

Awards

ALGORITHM

2016	Encouragement Prize(167th) , KOI(Korean Olympiad in Informatics)	KIISE
2016	Excellence Prize Prize(6th) , National High School Girl Programming Contest	Ewha Womans Univ
2017	Silver Prize(29th) , KOI(Korean Olympiad in Informatics)	KIISE
2017	Finalist , NEXON Youth Programming Challenge	NEXON
2018	Asia 308th, Kor 23rd , Asia Pacific Information Olympiad	Innopolis
2018	Finalist , NEXON Youth Programming Challenge	NEXON
2019	27th , UCPC(National College Student Programming Contest)	UCPC
2019	23place(50th) , ICPC Seoul Regional	ICPC

Presentation

TeX Book Design : Page styles and Title

Kongju, S.Korea

THE KOREAN TEX SOCIETY WORKSHOP

Nov. 2019

- Introduce about how design pagestyles using TeX's package memoir
- Translation and summary about Madsen's pagestyles manual.
- Introduce about my document design using memoir
- <http://wiki.ktug.org/wiki/wiki.php/LaTeXWorkshop/2019>

Work Experience

Try to Solve 4x4x4 Magic Cube Using Simulated Annealing

Cheongju, S.Korea

2018 CHUNGBUK SCIENCE HIGH SCHOOL MATH MAGAZINE

Mar.2018 - Apr. 2018

- Magic Cube is a number from 1 to 64 arranged in a cube-like arrangement so that the sum of 76 horizontal, vertical, and diagonal segments is equal.
- Way to arrange 64 in a cube with about 10^{18}
- Finding an array that satisfies about 38 segments in about 9 seconds using the Simulated Annealing technique

My Site

Cheongju, S.Korea

FIRST WEB FRONT END WORK

Sep. 2018 - Oct. 2018

- HTML, CSS, Javascript
- 1. Sleep Computer(Fill the screen with the desired color)
- 2. Arithmetic Sequence Game(Play 7*7 Arithmetic Sequence game, This game made by me.)
- kyaryunha.com

Draw Graph

Cheongju, S.Korea

SECOND WEB FRONT END WORK

Nov. 2018

- Click to draw the vertices and edges of the graph
- HTML, CSS, Javascript
- Custom vertices and edges of different shapes, colors, and sizes
- kyaryunha.com/drawgraph

Christmas Tree

Cheongju, S.Korea

THIRD WEB FRONT END WORK

Dec. 2018

- Draw Christmas Tree (Forest)
- HTML, CSS, Javascript
- Edges directly connected to the root are colored brown, and edges not associated with the root are colored green
- Restricts drawing of non-tree(forest) graphs
- When MST mode is activated, Minimum Spanning Tree is automatically calculated
- kyaryunha.com/christmas

3D Printing

Seoul, S.Korea

HANYANG UNIV ENGINEERING ACADEMIC CLUB BARAMI, HANYANG ACADEMIC TOWN PROGRAM

Mar. 2019 - Apr. 2019

- Studying 3D Modeling, Simulation, and Rapid Prototyping Using Fusion 360 and Assembling 3D Printer Prusa MK3
- Producing by modeling some necessary parts in the club

Catch Catch

Seoul, S.Korea

SOFTWARE MAESTRO 10TH, TEAM.CATCH CATCH

Jun. 2019 - Nov. 2019

- Digital media interactive content for pets
- Real Time Object Detection Cat and Dog using Haar Cascade, Mask RCNN, YOLO(Darknet), mobilenetSSD(Caffe, Tensorflow) on Windows
- Collect Image Data about Cat Top View
- Labeling and Training Cat, Cat's head, Cat's paw at mobilenetSSD(Tensorflow)
- Real Time Object Detection Cat, Cat's head, Cat's paw using mobilenetSSD(Tensorflow) on Windows
- Real Time Object Detection Cat and Dog using mobilenetSSD(TensorRT), Yolo(Darknet, TensorRT), Tiny Yolo(Darknet) on Jetson Nano
- Printing product case made with Fusion360

School Activity

Hanyang Univ Engineering Academic Club BARAMI

Seoul, S.Korea

MEMBER (MAR. 2019), VICE-PRESIDENT(DEC. 2019)

Mar. 2019 - PRESENT

- Electrical and Bio-Engineering, Electronic Engineering, Computer Software's club
- Hold and take long-term and short-term seminars
- Exhibition of works in November every year
- Dec. 2019, Be elected Vice-President