

# SUKJOON OH

## CURRICULUM VITAE / RESUME

[sjoon.oh@pm.me](mailto:sjoon.oh@pm.me)  
<https://sjoon-oh.github.io>

### EDUCATION

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Konkuk University,  
Department of Electronics Engineering, Seoul, South Korea  
Overall GPA: 4.26 / 4.5  
March, 2016 - February, 2020

Yonsei University,  
B.S., School of Electrical and Electronic Engineering, Seoul, South Korea  
Overall GPA: 4.04 / 4.3  
March, 2020 - Present

### AWARDS AND SCHOLARSHIPS

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Konkuk University  
*Academic Excellence Scholarship, 40% scholarship*  
September, 2016

*Academic Excellence Scholarship, 70% scholarship*  
February, 2017

Yonsei University  
*Academic Excellence Scholarship, half scholarship*  
February, 2021

### INTERESTS

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Computer Architecture, Deep Learning / Neural Networks, Linux Systems, Parallel Computing, Rust

### RESEARCH EXPERIENCE

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Undergraduate Research Intern  
Corelab, Yonsei University  
*Studies on graph algorithm to accelerate on GPU*  
January, 2021 – June, 2021

Graduation Thesis  
Advisor: Prof. Hanjun Kim  
*Accelerating Recommendation System on GPU*  
January, 2021 – June, 2021

### RESEARCH SKILLS

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Language  
C, C++, Java, Javascript, Python, Rust

## Tools/Framework Experience

*Desktop Application:* Microsoft Foundation Class, PyQt

*Web:* JSP, Flask, Django REST, Spring Framework, Firebase Cloud Messaging

*Database:* MySQL, MongoDB, SQLite3

*IaaS:* AWS EC2 / Lightsail

*Simulation:* Cadence OrCAD, GNU Octave

*Hardware:* AVR, RaspberryPi, Xilinx FPGA

*ML:* Hadoop, Spark MLlib, PyTorch

## WORK EXPERIENCE

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Discharged from Military Service at *Republic of Korea Air Force (ROKAF)*

Operation Information & Communication Wing (OICW)

*Air Defense Guided-Missile System Team, System Development Department*

KTMO-CELL Operation Software Development

Windows Application, *Real-time Radar Logging System, Multi-thread-support Redesign Project*  
C/C++/MFC

Web-based Application, *Web-based Report Assist System, Client/Server-side Refactoring Project*  
Java/JSP/ECMAScript/MySQL

Data Exchange Server Maintenance

Java/Spring Framework

KTMO-CELL Radar System Server Development Education Translation, *System Compilation*

By IAI ELTA (Israel Aerospace Industries, Elta Systems)

C/UNIX/Linux/Motif

July, 2017 - June, 2019

## EXTRACURRICULAR ACTIVITIES

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### Hackathon

1st ROK Air Force Creation and Innovation Idea Hackathon

*Military Supplies' Life Cycle Prediction System, Collaborative Filtering*

May, 2018

KU Medical Hackathon

*Spinal Disease Managing Platform, Hardware and Mobile Application*

*Excellence Award*

October, 2020 - November, 2020

### Git Repositories / Github Pages

*Toy Projects:* <https://github.com/sjoon-oh/>

*Personal Blog:* <https://sjoon-oh.github.io/>

Burak Social Welfare Center Volunteering, Songtan, Gyeonggi-do, South Korea

*Low-Income Households Children Support - Math, English Teaching*

July, 2018 - March, 2019

### Club Activities

Electronics Academic Club, *x[deca]*

*Graduation Project Exhibition: AVR controlled Mini-plotter*

*Advanced C/C++ Programming, Seminar*  
March, 2016 - February, 2017

Programming Club at OICW, *LINK*  
*Algorithm Weekly Study*  
September, 2017 - June, 2019

Robotics Academic Club, *Roboin*  
September, 2020 – February, 2021

Computer Academics Club, *Yonsei Computer Club (YCC)*  
*Designing Your Web-scraper on YSCEC, Seminar*  
*Introduction to Facebook DLRM, Seminar*  
February, 2021 – Present