Hyunsoo Luke HA

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Education :

- **B.S.** Department of Software Science and Engineering,
  Soongsil University, Seoul, Korea, 2015.03 – 2019.02.

- **Exchange Student** Department of Computer and Information Technology,
  Purdue University, Indiana, U.S.A, 2018.09 – 2019.01.

Project/R&D Experiences :

- Chainerator, Flexible Blockchain Core Framework for construct own blockchain network
- Hyperledger Fabric Based Security Home Network Solution
- PediBlock, Ethereum Based Animal Registration Platform
- Block In, Ethereum Based IoT Security Home Sharing Service
- KISA-BET, Ethereum Based Blockchain Lottery Service
- Map of us, Location Based SNS Anroid App using Google Map API.
- MFC-Warrior, MFC Based Education Game like Ruby-Warrior that helps learn MFC.
- Alpha-Law, AI Based Lawyer Service.
- Pneumonia Detection, Kaggle Data Science Competition that held by Radiological Society of North America
- Research about Blockchain Anonymity Protocol with Sungkyunkwan University

Technical/Special Skills :

- **Blockchain Development** Web3.js, Solidity, Go, Hyperledger fabric, C++ Core
- **Front-End Development** JavaScript, HTML5 & CSS, React.js
- **Back-End Development** Node.js, PHP, Spring, NginX, Restful API, Django, Web3
- **Database** MySQL, MongoDB, MariaDB, FireBase
- **Machine Learning** Tensorflow, R, Octave
- **Others** Hadoop, AWS, Ubuntu, Kali Linux, Ollydbg, Cryptography

Award and Honors :

- Best Product Prize in the H-dac Blockchain Hackathon sponsored by Hyundai BS&C, 2018
- 1st Prize in the Blockchain Bootcamp, Block Party, Hackathon which is sponsored by the Ethereum Foundation and powered by Bluepoint partners, Gopax and Hashed, 2018
- 1st Prize in Patent Competition of Soongsil University Seoul Accord with Blockchain Framework Patent, 2018
- 4th Prize in the Blockchain Competition which is powered by Line Corporation & Kiise, 2018
- Final TOP 10 in the Samsung, SK, KISA(Korea Internet & Security Agency) IoT Security Hackathon, 2018
- The Prize of Airforce Chief of Staff, Ranked within top 1% in TOPCIT Test, 2017
- The Prize of President of Soongsil University, Ranked within top 1% in TOPCIT test, 2017

- 1st Prize in Patent Competition of Soongsil University Seoul Accord with Anonymity Blockchain Voting System Patent, 2017
- Undergraduate Scholarship (Admission with Highest Distinction), Soongsil University Full Tuition (Granted for full semester) , 2015 – 2018
- Mentoring Scholarship As mentor of Machine Learning, 2017
- Undergraduate Researcher in System Security Labs : Soongsil University, 2015 – 2018
- Full Tuition Scholarship for Purdue Exchange Student Program, IITP(Institute for Information & Communication Technology Promotion center)

Publication :

- An Implementation of Flexible Blockchain Framework for construct own Blockchain Network(Lead Author, Presenter), KIISE(Korean Institute of Information Scientists and Engineers) : Korea Computer Congress 2018 Oral Session of Open Source, 2018

- Anonymity Electronic Voting Blockchain Platform Model Based on Public Blockchain (Lead Author, Presenter), KIISE(Korean Institute of Information of Scientists and Engineers) : Korea Software Congress 2017 Poster Session , 2017

- Blockchain Electronic Voting Management System (Pending Patent : 10-2017-0128049)

- Flexible Blockchain Core Framework (Pending Patent : 10-2018-0084923), 2018

Certificate :

- Hanium ICT Mentoring Certificate with AI – Lawyer Service , 2016
- Machine Learning Certificate, Stanford University Online, 2017
- Code-Night Web Programming Certificate, Google Korea, 2017
- Blockchain Developer Course, Korea Internet & Security Agency, 2017
- Blockchain Decentralized Application Developer, UCLA Blockchain Lab, 2017
- Open Source Software Expert Course, The Korea Society of IT Policy & Management, 2017

Affiliation :

- Co-founder of Blockchain University Consortium of Korea with Ethereum Foundation "BLUE"
- Student Member of KIISE(Korean Institute of Information of Scientists and Engineers)
- Co-founder of Blockchain Institute of Soongsil University "BLiSS"
- Founder of Open Seminar Community "ALOE"
- Member of International Blockchain Developer "Dappers" with UCLA Blockchain Laboratory
- Member of Soongsil Network Security CTF(Capture The Flag) Competition Team