Hyeong Seon   Yoo

SW DEVELOPER

Seoul, Republic of Korea

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Personal Profile

Currently working for Ericsson-LG in 5G Packet Core development. Interested in Open-source Software, Linux, Cloud Computing, and Networking. Have experience in working in a Scrum team. Looking to use my research experience on Software-defined Networking and 5G Packet core to contribute to efficient software development.

Education

Ateneo de Manila University   *Quezon City, Philippines*

BS Computer Science   August 2017 - May 2020, May 2022 - May 2023

- 3.92 / 4.00 GPA
- Contemporary Databases   (NoSQL)
- Object-oriented Software Design and Implementation
- Guided Studies in Declarative Framework Design and Implementation

Projects

Exploring Alternative Topologies in a Software-defined Network QoS Testing Framework   *Quezon City, Philippines*

Networking Research Group, Ateneo de Manila University   June 2022 - April 2023

- Studied the behavior of certain Quality of Service algorithms as implemented in SDNs with real-life network data
- Debugged and refactored existing framework code for testing in Python
- Published two papers listed in "Publicatons"
- Technology: Python, OpenFlow, Linux, GCP, Scikit-learn, Pandas, VLC

Publications

Performance Characteristics of Selected Network Topology in a Software-Defined Networking QoS Testing Framework
   Hyeong Seon Yoo, William Emmanuel S. Yu
   2023 Frontiers of Computers and Communication Engineering (FCCE) (forthcoming), 2023

Building a QoS Testing Framework for Simulating Real-World Network Topologies in a Software-defined Networking Environment
   Hyeong Seon Yoo, William Emmanuel S. Yu
   2022 International Conference on Engineering and Emerging Technologies (ICEET), 2022

Work Experience

Ericsson-LG   *Seoul, South Korea*

SW Developer   August 2023 -

- Developed containerized C++ applications handling various 4G EPS/5G Core functions
- Analyzed customer requirements, designed solutions and verified functionality

Rakso Computer Technology   *Philippines*

Intern   June 2022 - July 2022

- Tested and reported bugs for a grades management system for Claret School of Quezon City
- Wrote documentation containing suggestions for the improvement of the same system
- Technologies: MySQL, Laravel

21st Division, Republic of Korea Army   *South Korea*

Enlisted IT Soldier   November 2020 - April 2022

- Deployed, maintained, processed, and troubleshooted military computer systems.
- Interfaced with users to respond to their immediate problems and needs.

Achievements

2022	**Industrial Engineer Information Processing** , Human Resources Development Service of Korea
2019	**3rd Place** , Google Tech Challenge, Google Developer Group Philippines
2019	**2nd Runner-up** , Algolympics 2019, University of the Philippines

Co-Curricular Activities

AdMU Programming Varsity

Member   2018-2023

- Participated in Programming Competitions, especially the International Collegiate Programming Competition (ICPC) and Algolympics
- Prepared the AdMU DISCS Programming Open, a programming contest for high school students in the style of ICPC competitions
- Technologies: C++, Python, LaTeX, Github

Ateneo Mathematics Society

Tutor's Pool Head   2019-2020

- Facilitated the society's Tutoring Services, mainly for mathematics subjects taken by freshmen
- Facilitated mock exams and review sessions for freshmen calculus courses

Skills

Programming	C/C++, TTCN-3, Python (Pandas, NumPy, Scikit-learn), HTML/CSS, OpenFlow, SQL
Miscellaneous	Linux, Shell (Bash/Zsh), Kubernetes, LaTeX, Microsoft Office, Git, GCP, DynamoDB
Soft Skills	Problem Solving, Research, Scrum

Interests

Linux	I started using Linux in 2012, experimenting with various set-ups and open-source software.
Competitive Programming	I learn new concepts and solve problems on AtCoder, CodeForces, etc. every day
Guitar	I started playing the guitar in 2015, and currently I am playing electric guitar in a band as a hobby.

Languages

English	Professional proficiency
Korean	Native proficiency
Filipino	Conversational proficiency

References available upon request.