Jargalsaikhan Artag

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Summary

I am an Embedded System Engineer at KSJ Co.,Ltd, where I design and develop firmware and hardware for various embedded systems, such as IoT devices and robotics. I use Python, C, and C++ to program microcontrollers, sensors, and actuators, and Altium to design PCB hardware.

I am also a research student at Tokyo University of Agriculture and Technology, pursuing a postgraduate degree in quantum computing. I study the applications of quantum computing in artificial intelligence, drone systems, and optimization, and I have published several papers on these topics in reputable journals and conferences. I hold a bachelor's degree in information technology and an associate's degree in electrical and electronics engineering.

My passion is to create innovative and intelligent solutions that can solve real-world problems and improve people's lives. In addition to my work and studies, I enjoy teaching kids how to build robots with Lego parts and mentoring them in STEM fields. I am always eager to learn new skills and technologies.

Experience

Embedded System Engineer
KSJ Co.,Ltd
Apr 2023 - Present (7 months)

Embedded Engineer
KSJ Co.,Ltd
Aug 2021 - Mar 2023 (1 year 8 months)

Mentor
LITALICO Inc.
Apr 2021 - Oct 2021 (7 months)
-Enjoyed teaching kids how to build robots with WeDo 2.0 lego parts, Mindstorms, and Spike prime.

Education

Tokyo University of Agriculture and Technology
Postgraduate Degree, Quantum computing
Apr 2023 - Mar 2024

Tokyo University of Agriculture and Technology
Bachelor's degree, Information Technology
Apr 2021 - Mar 2023

Ishikawa National College of Technology

Associate's degree, Electrical and Electronics Engineering
2018 - 2021

Skills

Scientific Computing • Solar PV • FDTD simulation for Solar PV • Simulation for Photonic Components • PV optimization using plasmonic response • Parallel Quantum annealing • Drone Routing Optimization • Quantum Computing • Quantum Mechanics • Quantum annealer